TWO STAGE



INSTALLATION GUIDE

SHOWBIZ
Pizza Time, Inc.

WHERE A KID CAN BE A KID!

4441 W. Airport Freeway • Irving, Texas 75062 • Phone (214) 258-8507 • Fax (214) 258-8545
Mailing Address P.O. Box 152077, Irving, Texas 75015

PREFACE

Congratulations! Your store will be receiving the new 2-Stage Show. This show was designed and developed to further unify our stage concepts and lay the basis for evolution into the 90's.

This manual, along with the installation tape and blueprint drawings will help guide you through the show transition. These tools are, however, very extensive and need to remain confidential. If you should need any further assistance, please contact Entertainment or Technical Support at the home office 214/258-8507.

Thank you and enjoy the new show!

Sincerely,

ShowBiz Pizza Time, Inc.
Entertainment/Technical Support Team

VENDOR INFORMATION

SW Electronixs 50" Monitor	Tel: 214/458-7123 Fax: 214/404-9234 Scott Floyd
Kinetix Cyber Arm Kits	Tel: 407/294-1912 Fax: 407/294-4811
Snape Drape Valance	Tel: 214/934-8600 800/527-5147 Fax: 214/233-1330 Lisa McIntyre
Raztech 6 Micro Spots	Tel: 708/672-4323 Fax: 708/672-4323 Ralph Zajeski
SLD Helicopter Lights 3009 PAR 38C Light Fixtures	Tel: 212/245-4155 Fax: 212/956-6537 Glen Hilzen
Corman & Associates Stage Props/Helicopter Base	Tel: 606/233-0544 Fax: 606/253-0119 Ted Corman
Diversified Designs Organ, Wink, Cheese Guitar	Tel: 407/767-0487 Fax: 407/767-6532 Dave Thomas
Triad Studios Relay Panel	Tel: 515/243/2125 Fax: 515/243-2055 Bill Synhorst
Fiber Images Fiberoptic Curtain & SEC Sign	Tel: 214/239-5483 Fax: 214/239-5489 Jim Bruce
Nationwide Carpet Co. Stage Floor Carpet	Tel: 817/834-7586 Fax: 817-838-7360 William Neel
Mountain Music Co. Drum Set	Tel: 417/334-0515 Roger Garrett
Cowan Costumes: Cosmetics	Tel: 817/641-3126 Fax: 817/641-3149 Jackie Stuebe
Central Florida Rod & Drapery Curtains	Tel: 407/425-5531 Fax: 407/423-2514 Jane Schubert
Animation World Curtain Track System	Tel: 407/657-1880 Fax: 407/657-1977 Greg King

PACKING LIST

VENDOR	DESCRIPTION	# OF BOXES
SW Electronix	50" Monitor w/ remote	1 box
Kinetix	Cyber Arm Kits (2 Jasper, 2 Pasqually)	1 box
	Helen Arm Kit only applicable to conversion (2 arms) of rocker stages	1 box
Snap Drape	Valance	1 box
Raztech	6 Black Micro Spots ("C" Conversions)	1 box
	2 Micro Spots ("Rocker" Conversion)	1 box
SLD Lighting	<u>"C" Conversions:</u> 12 - 3009L 10' Cord 2 - 3009 PAR 38C 14 - Gel Frames 12 - Bases 14 - 90W Clear Floods 1 - Sheet each (Blue,Red,Amber) 1 - Helicopter Light 2 - 4515 GU Lamp 1 - Pasqually Drum Light 1 - Pasqually Lamp 75W	4 or 5 boxes may vary please check packing lists enclosed
	<u>"ROCKER" Conversions:</u> 12 - 3009L 10' Cord 11 - 3009 PAR 38C 23 - Gel Frames 21 - Bases 23 - 90W Clear Floods 1 - Sheet each (Blue,Red,Amber) 1 - Helicopter Light 2 - 4515 GU Lamp 1 - Pasqually Drum Light 1 - Pasqually Lamp 75W	4 or 5 boxes may vary please check packing lists enclosed

VENDOR	DESCRIPTION	BOXES
Corman & Associates	28' STAGE	12 boxes
	2 - 4' Building & C.E.C. Light MOlding (w/touch up paint)(lights for star panel)	#1
	4' & 2' Building & Munch Sign & Drum Cover	#2
	2 - Planters	#3
	Jasper Speaker & 2" riser	#4
	Stand W/Light Box	#5
	6' & 4' Light Shield	#6
	Juke Box Monitor Cover	#7
	Pasqually Closet Brick Wall	#8
	Pasqually Closet Doors	#9
	Control Room Panel w/Star - box 10 each "L" brackets	#10
	Control Room Panel w/Door & Side Panel	#11
	Control Room Panel 4'	#12
	24' STAGE	12 boxes
	1 - 4' Building & C.E.C. Light Molding (w/touch up paint)(lights for star panel)	#1
	4' & 2' Building & Munch Sign & Drum Cover	#2
	2 - 48" Planters	#3
	Jasper Speaker & 2" riser	#4
	Stand W/Light Box	#5
	6' & 4' Light Shield	#6
	Juke Box Monitor Cover	#7
	Pasqually Closet Brick Wall	#8
	Pasqually Closet Doors	#9
	Control Room Panel w/Star - Box 10 each "L" brackets	#10
	Control Room Panel w/Door & Side Panel	#11
	Control Room Panel 4'	#12
Diversified Designs	Organ	4 boxes
	Wink & Drum Skin	1 box
	Cheese Guitar	1 box
Microtechnology	Relay Panel	1 box
Fibertech	1 Fiberoptic Star Curtain "Chuck E. Cheese" Sign	1 box
	1 Fiberoptic Curtain	1 box
Nationwide	1 Roll of Carpet	
Mt. Music Co.	1 Tom Tom	1 box
	1 Base Drum	
	1 Snare Drum & Stand	
	1 High Hat Stand and Pedal	
	1 Set of Drum Sticks	
	1 Side Cymbal	

VENDOR	DESCRIPTION	BOXES
Cowan Costumes	CONVERSION:	
	CHUCK E. CHEESE - Color Coded RED	
	Tuxedo w/shirt Fur Legs w/Padding Fur Hands Microphone 1 - Cylinder Cover	1 box
	Waist Armature Pipe Legs Feet 10 - 1/4 x 1 1/4 hex lag screw 8 - 1/4 x 2 1/2 phillips/flat head machine screw, flat washer, lock washer, nut 4 - 1/4 x 2 1/2 phillips/flat head machine screw, flat washer, lock washer, nut 4 - 10/32 x 1 1/2 phillips round head machine screw, flat washer, lock nut	1 box
	HELEN - Color Coded WHITE	
	Bodice w/Name Patch Skirt Hands Foam Legs Leg Covers Wrist Corsage Eyelashes Bloomers Microphone 1 - Cylinder Cover	1 box
	Waist Armature Pipe Legs Tennis Shoes 10 - 1/4 x 1 1/4 hex lag screw 8 - 1/4 x 2 1/2 phillips/flat head machine screw, flat washer, lock washer, nut 4 - 1/4 x 2 1/2 phillips/flat head machine screw, flat washer, lock washer, nut 4 - 10/32 x 1 1/2 phillips round head machine screw, flat washer, lock nut	1 box

VENDOR	DESCRIPTION	BOXES
	MUNCH - Color Coded GREEN	
	Upper Body	1 box
	Upper Body Padding	
	Lower Body	
	Lower Body Padding	
	Hat w/Name Patch	
	Waist Armature	1 box
	Pipe Legs	
	Tennis Shoes	
	10 - 1/4 x 1 1/4 hex lag screw	
	8 - 1/4 x 2 1/2 phillips/flat head machine screw, flat washer, lock washer, nut	
	4 - 1/4 x 2 1/2 phillips/flat head machine screw, flat washer, lock washer, nut	
	4 - 10/32 x 1 1/2 phillips round head machine screw, flat washer, lock nut	
	4 - 1" flat head wood screw	
	PASQUALLY- Color Coded YELLOW	
	Shirt	1 box
	Apron w/Name Patch	
	Pants	
	Lower Body Padding	
	2 - Cylinder Covers	
	Waist Armature	1 box
	Pipe Legs	
	Tennis Shoes	
	10 - 1/4 x 1 1/4 hex lag screw	
	8 - 1/4 x 2 1/2 phillips/flat head machine screw, flat washer, lock washer, nut	
	4 - 1/4 x 2 1/2 phillips/flat head machine screw, flat washer, lock washer, nut	
	4 - 10/32 x 1 1/2 phillips round head machine screw, flat washer, lock nut	
	4 - 1032 x 4 slotted/round head machine screw, flat washer nut	
	1 - 1/4 x 2 1/2 phillips head/flat machine screw, flat washer, wing nut, cable tie	
	4 - 3/8 x 1/4 plastic clamp	

VENDOR	DESCRIPTION	BOXES
	JASPER - Color Coded BLUE Shirt w/Name Patch Jeans Lower Body Padding 2 - Cylinder Covers	1 box
	Waist Armature Pipe Legs Tennis Shoes 10 - 1/4 x 1 1/4 hex lag screw 8 - 1/4 x 2 1/2 phillips/flat head machine screw, flat washer, lock washer, nut 4 - 1/4 x 2 1/2 phillips/flat head machine screw, flat washer, lock washer, nut 4 - 10/32 x 1 1/2 phillips round head machine screw, flat washer, lock nut 4 - 1032 x 4 slotted/round head machine screw, flat washer nut 4 - 1" flat head wood screw 4 - 3/8 x 1/4 plastic clamp	1 box
	BODY SHELLS - All Characters	1 box
HOME OFFICE ENTERTAINMENT		1 box
	20' 1/8" HOSE 100' Video Cable with connectors 2 Show Tapes 1 Installation Tape 1 Manual 1 EPROM 22 or 27 Spring nuts (depending on stage) 1 light driver PCB (Rocker Stage Only) 2 Light Drive PCB to Gordos PCB Cables (Rocker Stage Only) Speaker Wire (50')	
Central Florida	Curtains (if ordered) ← will be drop shipped to location	1 box
Animation World	Curtain Track System (if ordered)	2 cartons

MANPOWER REQUIREMENTS

Night #1 (Partial Demo/Rebuild Construction/Electrical)

- * 4 Electricians
- * 8 Construction/Destruction People

Night #2 (Chuck E. 50: Monitor) Continued Rebuild, Electrical, Painters

- * 4 Electricians
- 4 Technicians
- * 8 Construction/Destruction People
- * 2 Painters

Night #3 (Complete installation of Characters and Props)

- 4 Technicians
- 2 Miscellaneous (clean-up and assist Technicians)

Night #4 (Curtain Track Installation)

- 2 Technicians

* Construction manpower is recommended. Your contractor may want to adjust after looking at the plans.

SHOWBIZ PIZZA TIME, INC.

ShowBiz Pizza Place ~ Chuck E. Cheese

INTRACOMPANY CORRESPONDENCE

TO:

FROM: Shelly Atkins

DATE:

SUBJECT: Stage Conversion Preparation

The following steps should be completed three days prior to your stage installation.

- Inventory materials received and contact vendor accordingly for any shortages.
- Assemble all materials, tools, and supplies for installation.
- Label airlines and cables in preparation for moving them.
- If you need additional tech support, please call Technical Support at the home office.
- Check under stage for any sprinkler heads or other situations which may require space consideration. Notify contractor.
- P.M. all character cosmetics, mechanics, and lighting not being replaced in new stage. (Replace any mechanical hands that have rusted fingers.) Jasper, Munch and Pasqually retain cosmetic hands, replace them if in bad shape. This is a good time to replace any bad eyeballs also.
- Put bulbs and gels in helicopter and flood lights.
- Anything stored underneath stage needs to be moved and stored in an alternate space. Clean under stage.
- Test new EPROM and Show Tape.

Please also have assembled together for installation the following supplies:

- One 1 1/2" spade bit
- Two 1/8" drill bits to drill through stainless steel drum stand (to secure snare drum).
- Case cutters or mat knives and blades
- Pliers
- Staples and staple gun
- Hand held circular saw or sabre saw with extra blades
- Work light
- Tape measure- 25'
- Ladder- which will reach ceiling
- Drill with screwdriver bits
- Standard tools, i.e. screw drivers, hammers, etc
- One 12' extension cord (for drum light) 3 wire
- Glue sticks and glue gun or clear silicone caulk
- An under car creeper (for getting around under stage)
- Two 12' extension cords (for star & chase lights on CEC stage) 2 wire
- 3 cans flat black spray paint for touch-ups
- Circular saw from home
- Large safety pins (10)
- Sheetrock screws- 1 1/2" (approximately qty 150)
- 50 large tie wrap (8")
- Fifteen 100lb picture hangers 2" long
- One 20' roll of double face tape
- 2" sheet metal or wood screw w/washer - 20 each (for securing picture hangers on stands of drum set

INSTALLATION - CONSTRUCTION

NIGHT #1 (Entertainment and stage for the next day (day 2) is current show)

1.1 DEMOLITION -Construction will completely demolish and remove existing stage and props (see blueprints). Make sure construction crews are aware and careful not to disturb the air lines. Salvage existing air manifold so it may be re-used. (Rocker stages may want to remove the light bulbs from the front of the stage) Refer to blueprints for instructions on framing and electrical plans. If there are sprinkler heads under the stage you will need to

1. Locate the sprinkler riser,
2. Shut it off on the evening of installation,
3. Notify the Fire Department and other tenants (if applicable)
4. After demo they will need to be reinstalled.

Safeguard and label all cables, air lines, electrical and speaker wire during demo, tuck them up in ceiling.

1.2 Adjust/specify plans to your particular location according to ceiling height, side rooms, control room and sprinkler system if located under stage. The Corporate office will have a recommended plan specified on your blueprint copy.

1.3 Cut ceiling tile for outlets.

1.4 Mount Unistrut/Unistruts (Rocker Stages)..

1.5 Install relay panel.

1.6 Cut access doorways through existing side control rooms on either side of stage.

1.7 Mount valance header support and plywood support for curtain track and fiber optic curtain header.

1.8 Demo front of stage/frame lower part of stage (on "c" Stages as an option to save time, support existing stage and frame under it for new stage. Add marlite and base to the front of new stage. Enclose and secure front of both stages with precut gypsum board. See photo copy of photo on next page.

1.9 Clean up under stage before adding top flat form.

1.10 Clean up.

NIGHT #2 (10:00 p.m. - 10:00 a.m.)

2.1 Confirm correct stage height and specs with contractor prior to actual building.

2.2 Re-locate the 9 Flood Lit Bar ("C" Stages).

2.3 Add plywood on top of platform structure, carpet and trim (make sure stage is vacuumed underneath before the plywood is added to the stage floor).

2.4 CARPET (included with show package) - Will be installed by contractor. Make sure the trim has been attached. Laying the carpet without the trim will cause a gap between carpet and trim around the perimeter of stage. Staple with 3/4" staples and staple gun around perimeter at edge, along back wall and intermittently throughout middle of stage. Do not glue carpet to top of stage.

2.5 Mount electrical boxes and conduit on back wall.

2.6 Label all outlets to match relay box.

2.7 Patch control rooms on each side of stage with precut and painted gypsum board.

2.8 Paint back wall behind stage and ceiling above stage and inside valance header black. (Make sure you have drop cloth up to protect furniture/carpet and stage.)

2.9 Complete all electrical.

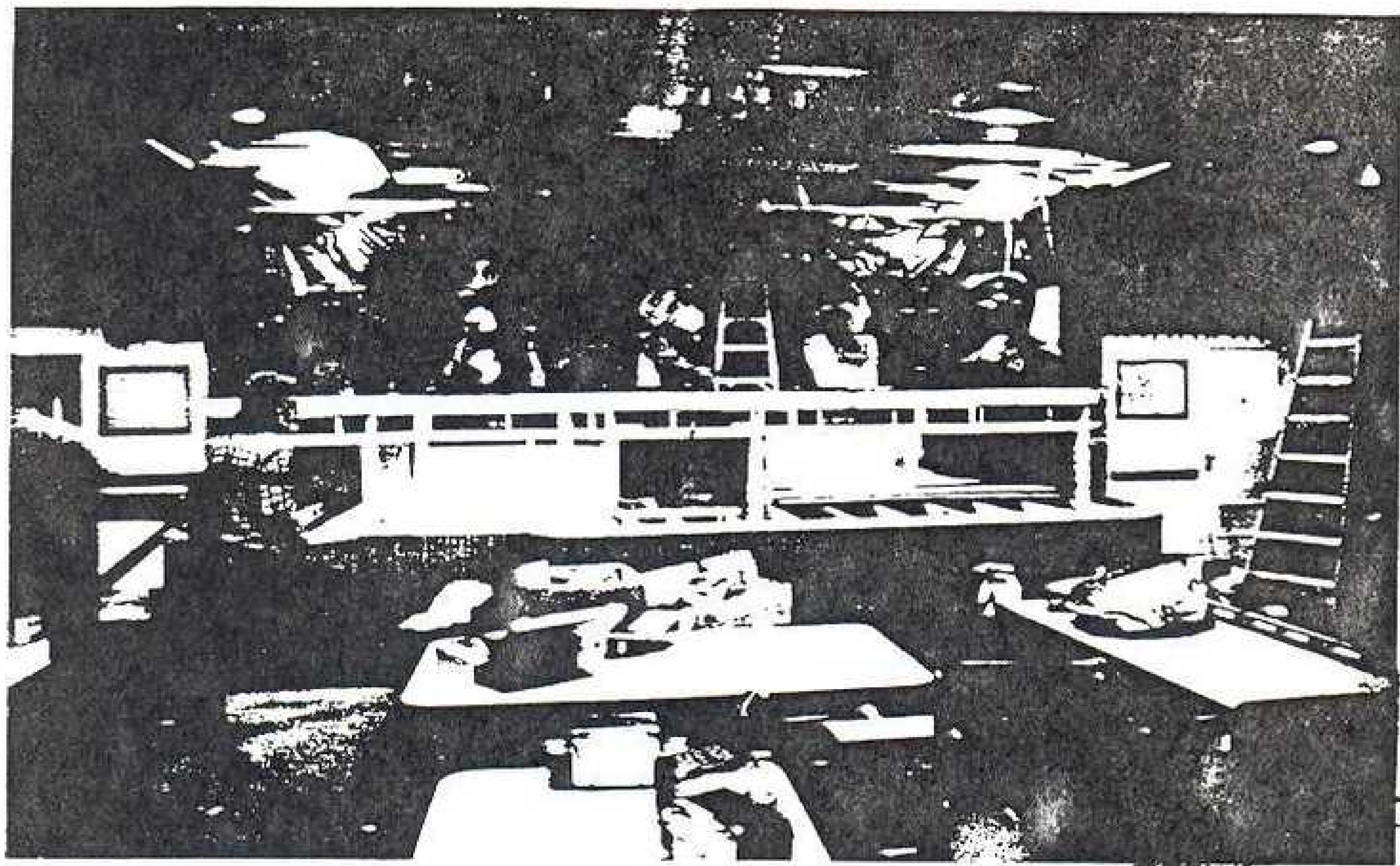
NIGHT #3 (10:00 p.m.

3.1 Electricians return to make sure electrical changes are correct when show runs.

3.2 Clean up wiring and power lines in back of the rack.

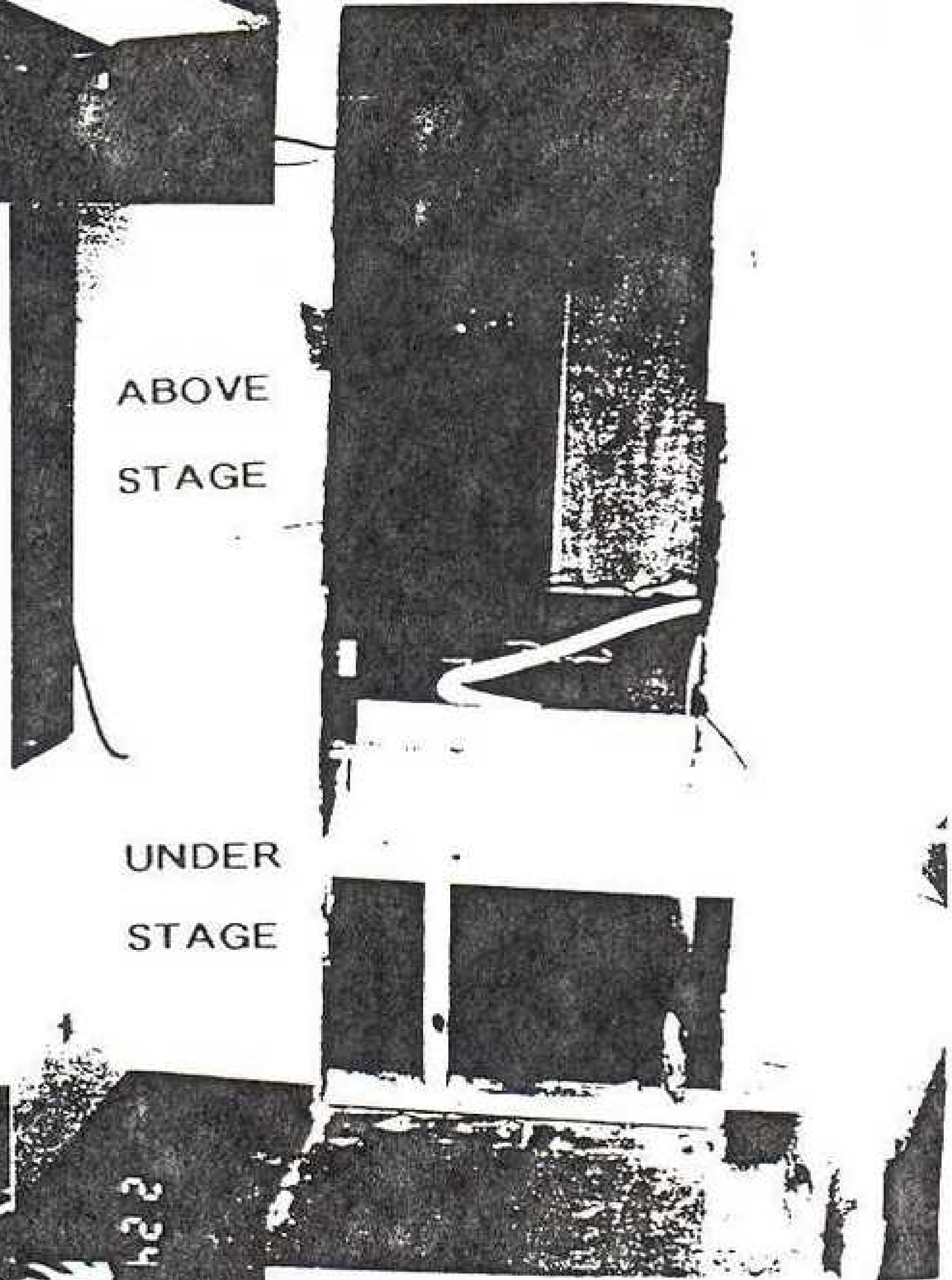
3.3 Cable all effects lights, wall plug and cords.

3.4 Complete anything done in a hurry from the first two nights.



NIGHT #1
DAY #2 ENTERTAINMENT

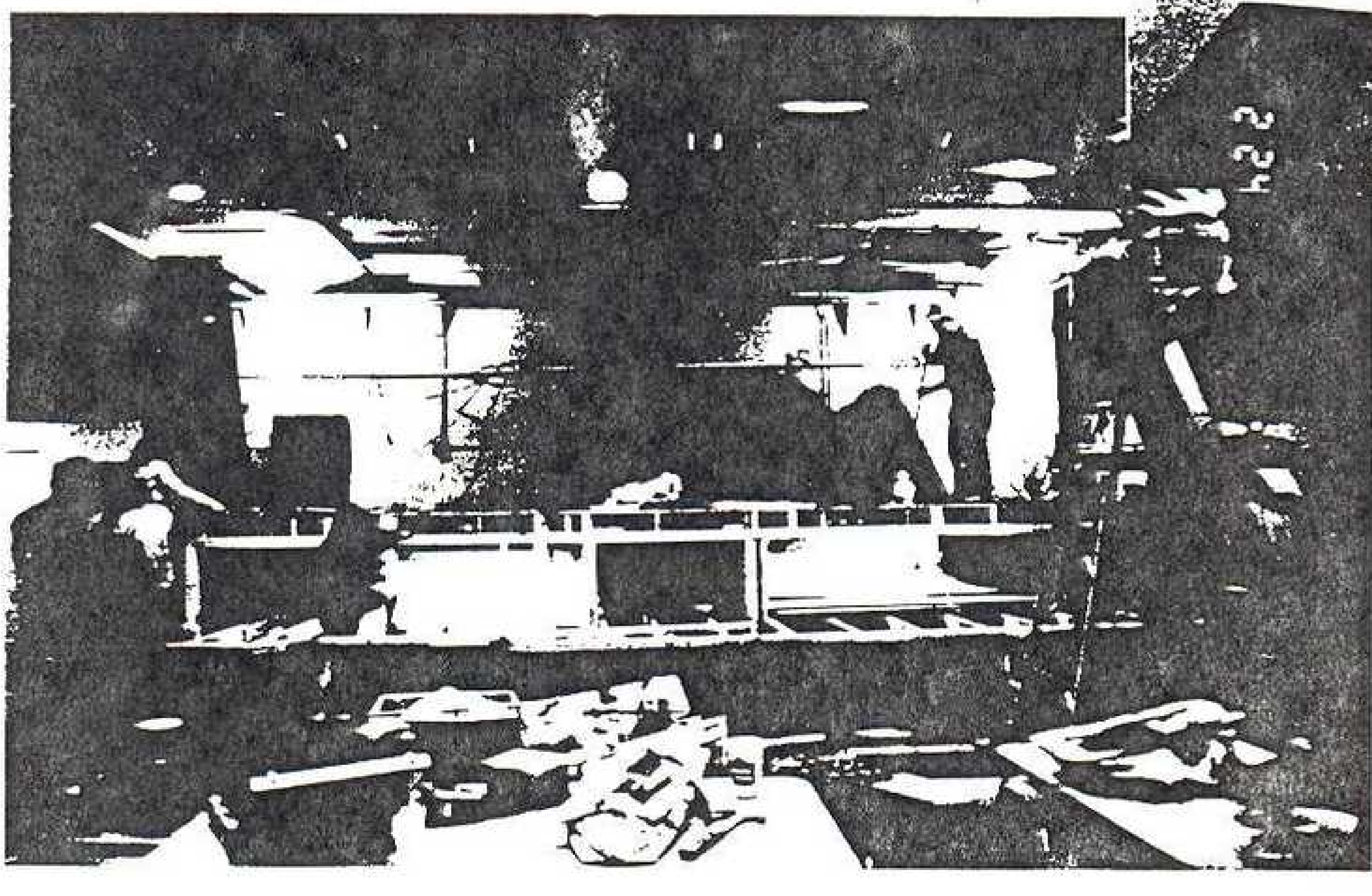
TIME SAVER OPTION WITH CHARACTERS
(see Construction Install) use paint
tarp as backdrop on Sat. night



ACCESS DOOR

NIGHT #1
DAY #2 ENTERTAINMENT

TIME SAVER OPTION WITHOUT CHARACTERS
(see Construction Install) use paint
tarp as backdrop on Sat. night



Night #2 (10:00 p.m. - 10:00 a.m.) Entertainment for next day (Day 3) will be Chuck E. & 50" Monitor)

2.1 All existing stage props will be discarded.

2.2 Remove all characters from stage. (Be sure to put protective cloth underneath them when storing to protect the carpet from any grease.) Discard warblettes, drums, pots, and pans.

2.3 Wiring - Safeguard and label all cables, airlines, electrical and speaker wire. During demolition, tuck them up in the ceiling so back wall can be painted.

2.4 **HELEN -** Remove and discard all cosmetics, shoulder cosmetic support rings and bar.

Retain Cyber mech (Arms will be provided in show package for "Rocker" stages).

JASPER - Remove and discard hat, overalls, shirt, banjo and shoulder cosmetic support rings and bar. (Rocker Stages - remove and discard fur feet and leg hoses.)

Retain Cyber mech head, bandanna, cosmetic hands.

CHUCK E.- STAGE Remove and discard fur body, hands, vest, cosmetic shoulder support rings and "C" bar.

Retain head, cyber mech, derby.

CHUCK E. - "ROCKER" STAGE Remove and discard fur body, hands, feet, vest, cosmetic shoulder support rings, and bar.

Retain head, fur legs, leg armature, cyber mech, derby.

PASQUALLY - Remove and discard shirt, apron, wooden spoons, cosmetic shoulder support rings and bar.

Retain Cyber mech, head, chef hat, cosmetic hands.

MUNCH - Remove and discard fur body, cosmetic support rings and bar.

Retain cyber mech, fur hands, head.

2.5 Remove wooden bases from all character mechs.

2.6 Install arm movement kits on Munch, Pasqually and Helen (Helen arm installation needed on Rocker stage only).

2.7 Secure body movements on Munch and Pasqually (see tech notes and hints).

2.8 Store character mechs with exception of Chuck E. where they will not be damaged.

2.9 Set up drum set (see Tech Notes & Hints and diagram.)

2.10 ELECTRICAL - Reference Blueprint

2.11 CHUCK E. CHEESE set up - After stage has been carpeted, secure leg armature to stage using drill bit (go through holes at base of leg pipes) attach according to measurements on blueprints, secure underneath with lug nuts.

Armature: - Match Red Color Code on waist to leg pipes

a. Bolt pipe legs to waist armature at pre-drilled holes using 1/4: X 1 1/2" flat head slotted screws, flat washer, lock washer and hex nut. (See technical Notes & Hints.)
b. Using blueprint measurements, place the leg armature, drill through the pipe holes down through the stage, secure with bolts.
c. Tilt mech to side to get into waist armature. Once you get mech in armature, rotate mech to front. Bolt in place.
d. Remove shoulder cosmetic support rings and bar from mech.
e. Screw front body shell to mech, lining up holes at shoulder plate with holes where rings were bolted using 10/32 X 1 1/2" slotted machine screw, flat washer, lock nut. Latch on the back half at top and sides. (See Technical Notes & Hints.)

Using 1 1/4" spade drill bit make a hole behind the leg pipes for the airlines. Thread the airlines through the holes and hook up (see Technical Notes & Hints on wink).

Locate and connect Chuck E. Cheese's ribbon cable.

Install CEC's cosmetics.

COSMETICS

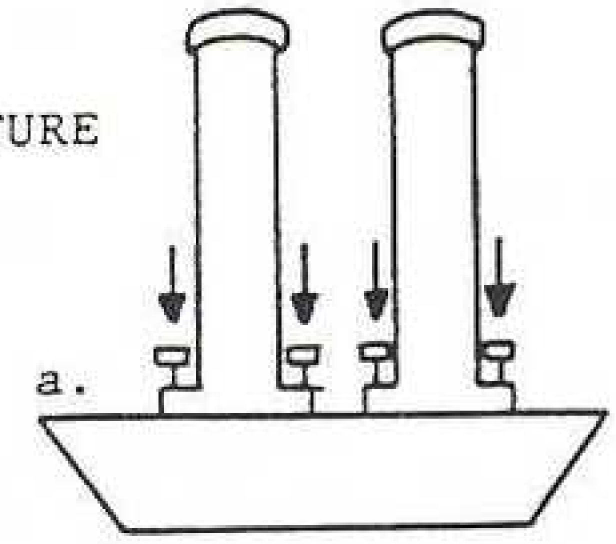
1. *Feet:*
   a. Slip around pole.
   b. Fold back upper foam to bolt to floor (1/4 X 1 1/2" hex wood screw).
   c. Pull upper foot foam and fur around pipe and velcro close.

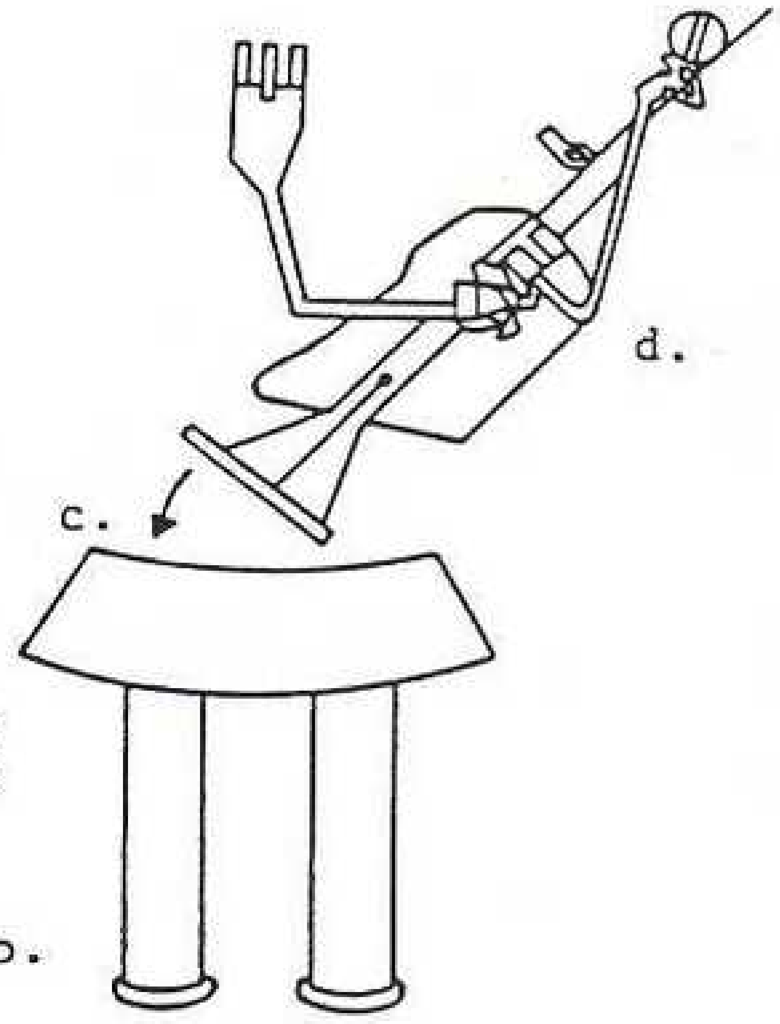
2. *Fur Legs:*
   a. Soft velcro around waist to attach to waist armature.
   b. Velcro closure - center back
   c. Velcro closure - inside leg seams and over feet

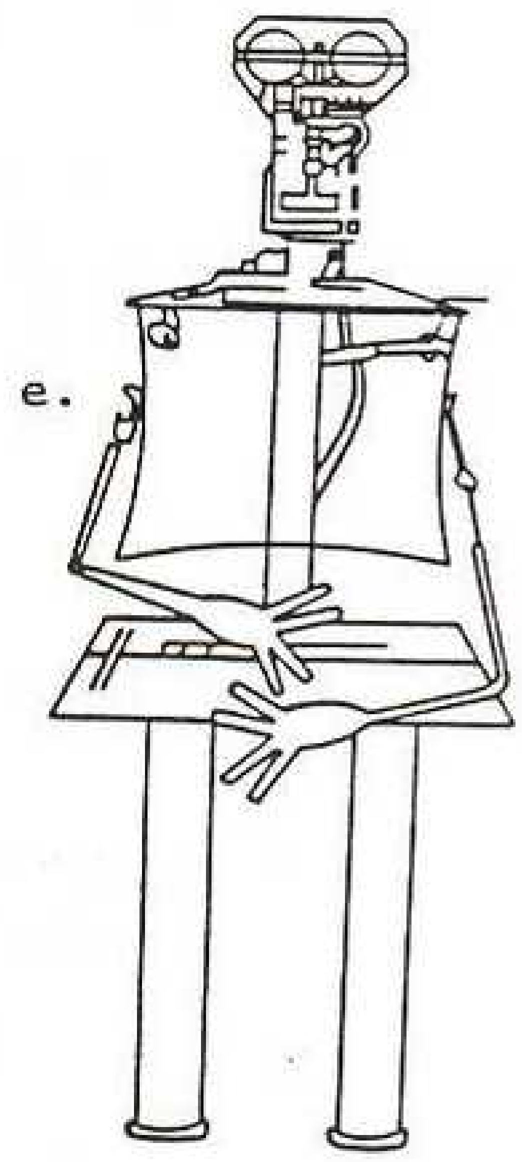
3. *Tux*:
   a. Velcro closure - center back
   b. Soft velcro inside sleeves.
   c. Hard velcro on cuff to attach inside sleeve.

4. *Hands:*
   a. Velcro closure on palm
   b. Hard velcro strap and elastic loop on palm to secure microphone (right hand).

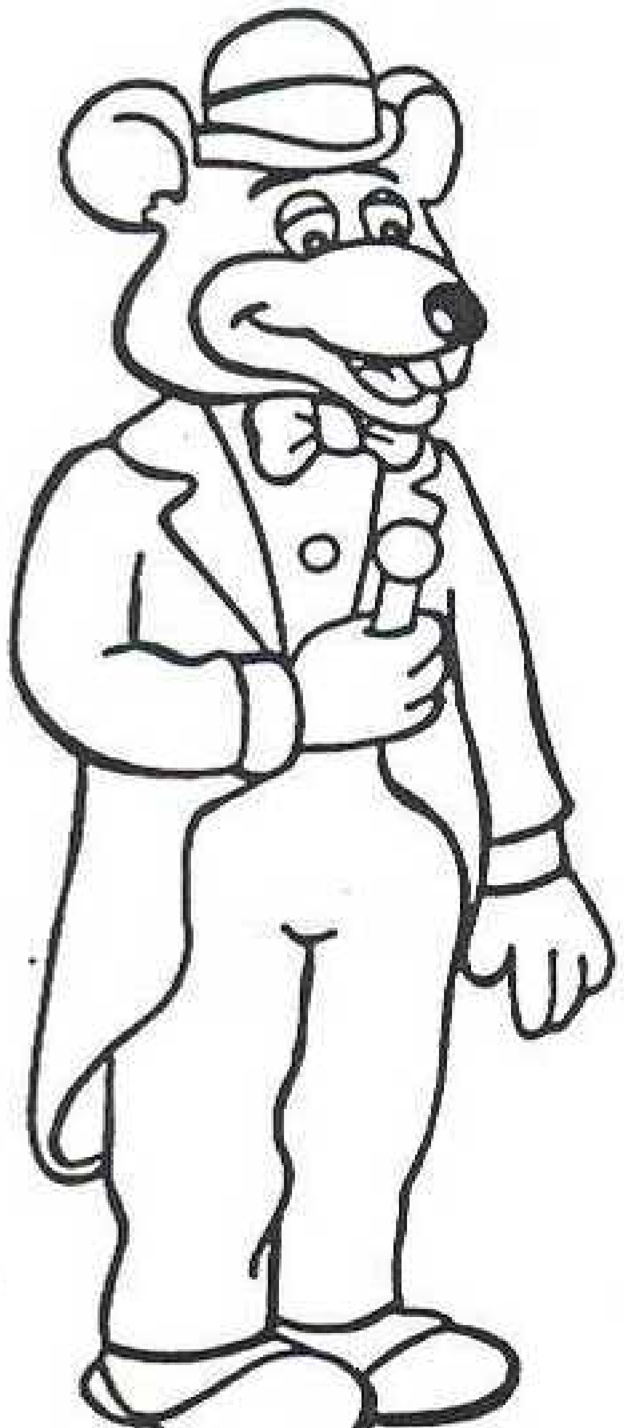
1. LEG ARMATURE







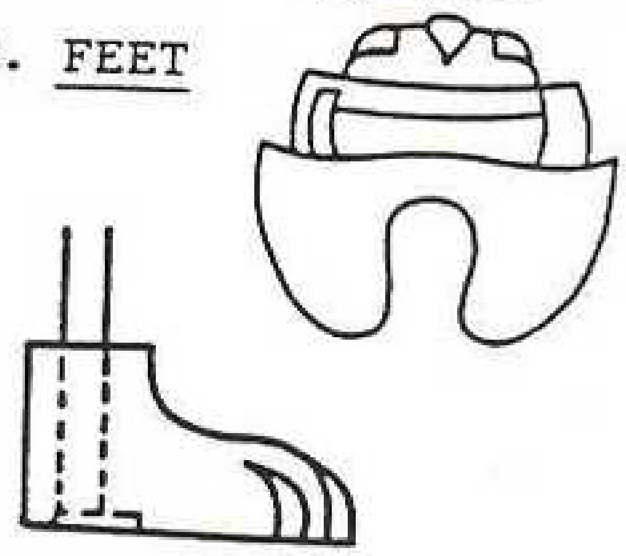
Chuck E. Cheese



ALL PARTS COLOR CODED RED

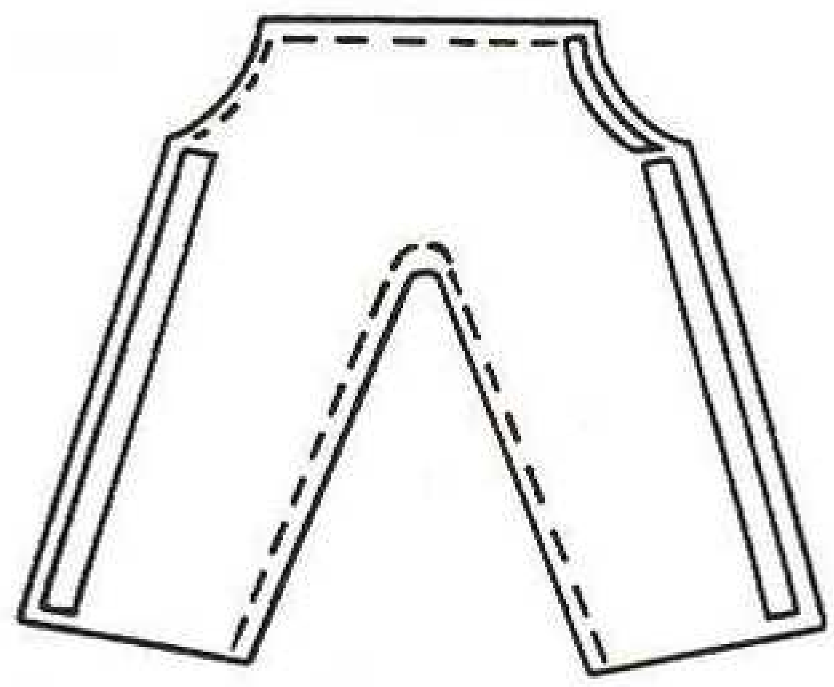
2. FEET

top view



side view

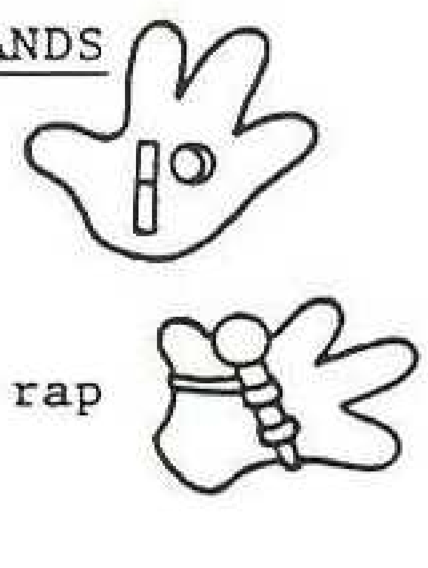
3. FUR LEGS



4. TUXEDO



5. HANDS



2.12 50" MONITOR - Remove casters (see Technical Notes & Hints). Place monitor on stage. Plug in video coming from video 1 output from the AV switcher to video 1 input of monitor for 50" monitor. Using remote set the monitor to video 1. Place jukebox prop around 50" monitor. (See Technical Notes & Hints.)

2.13 HANG VALANCE - Remove adhesive back from hook velcro and attach to front of valance header. Using heavy duty staples and staple gun secure the hook velcro every 6" to valance header. Make sure the strip is flush with ceiling or top of header. Starting at stage right velcro the valance to the valance header starting at back wall. If any excess is left please cut it off neatly with scissors.

2.14 Turn on air and check for any air leaks, then run the show to make sure that Chuck E. and the 50" monitor are operating correctly.

2.15 CLEAN UP

Then get some well deserved rest. It was a good day.

NIGHT #3 10:00 p.m.-10:00 a.m. (Entertainment for next day (Day 4) is the new 2-Stage complete without curtains

3.1 Unpack, assemble and install stage props in the following order

1. CEC control room/molding
2. Pasqually room/molding,
3. Hang and connect CEC Fiber Optic Sign and Curtain
4. Buildings,
4. Munch sign,
5. Planters.

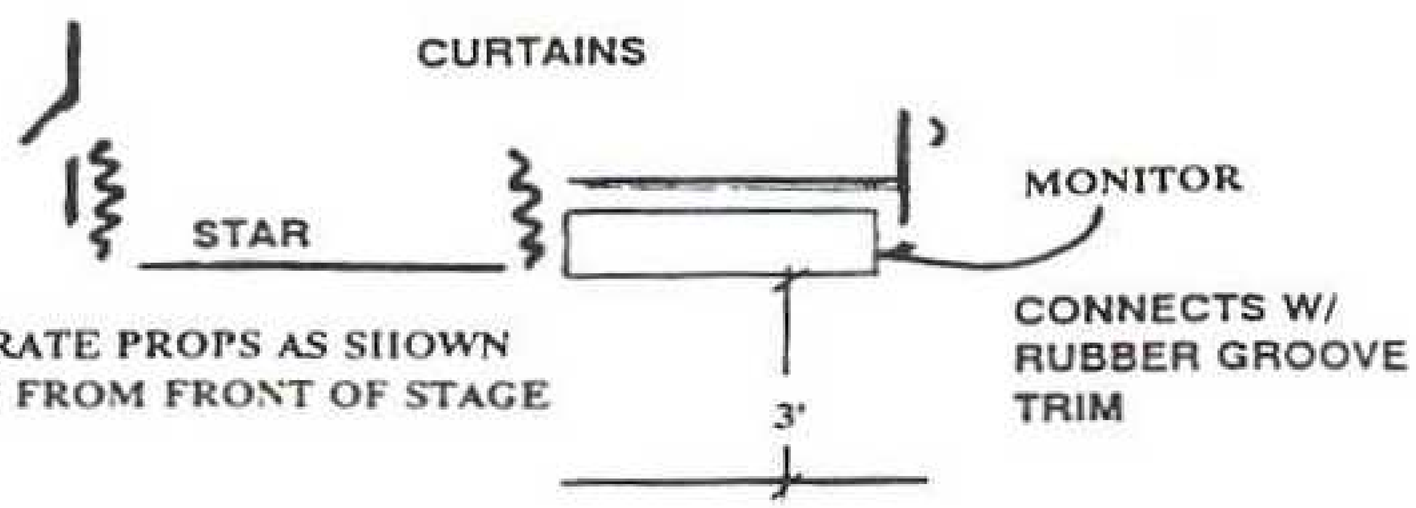
CHUCK E. CONTROL ROOM PROP

The Control Room comes in four different pieces. If you are not getting curtains they will fit together like this:



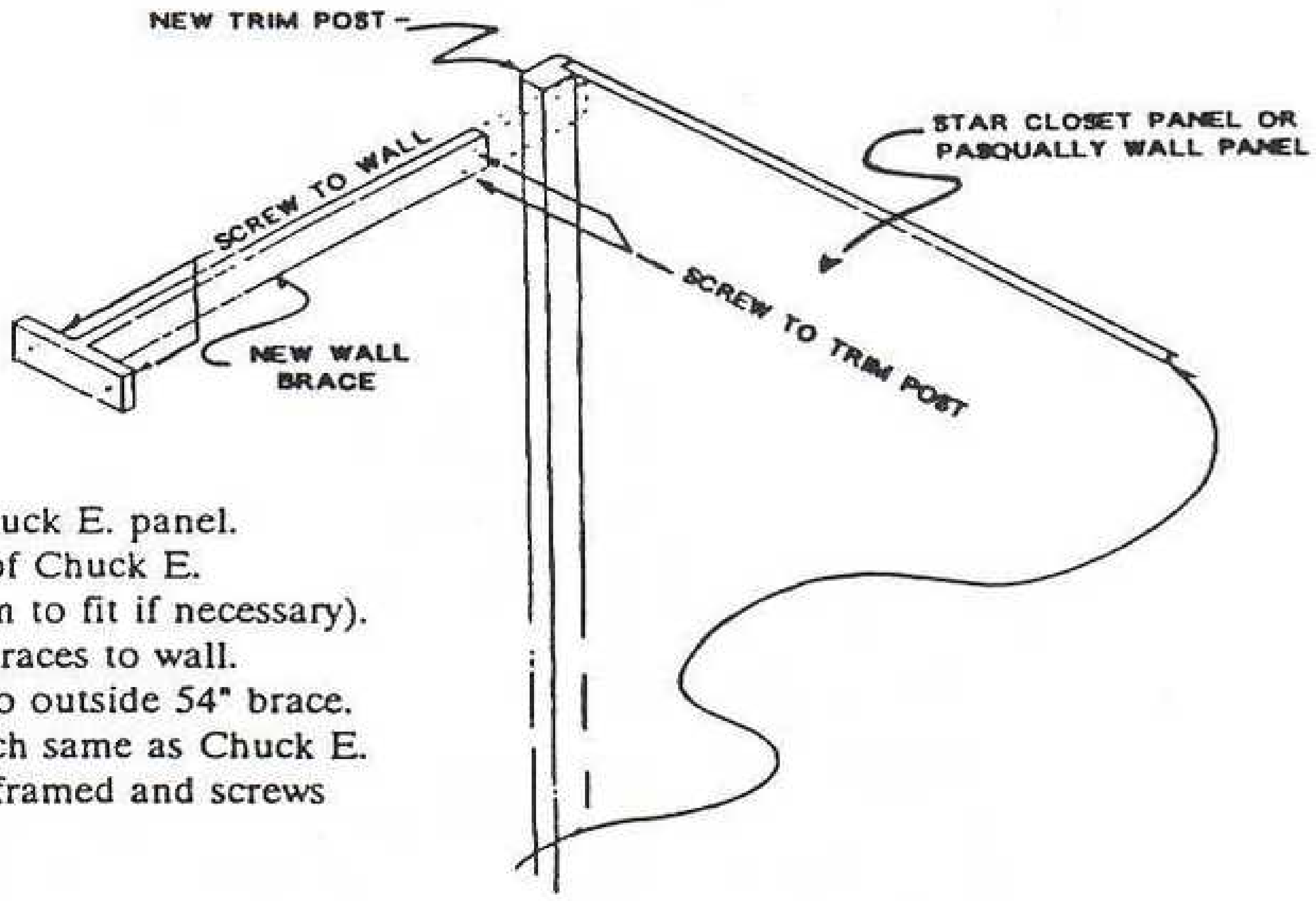
WITHOUT CURTAINS MAKE SURE THERE ARE NO GAPS IN PROPS AND THE STAR IS CENTERED BEHIND CHUCK E.

If you are receiving curtains they will go together like this:

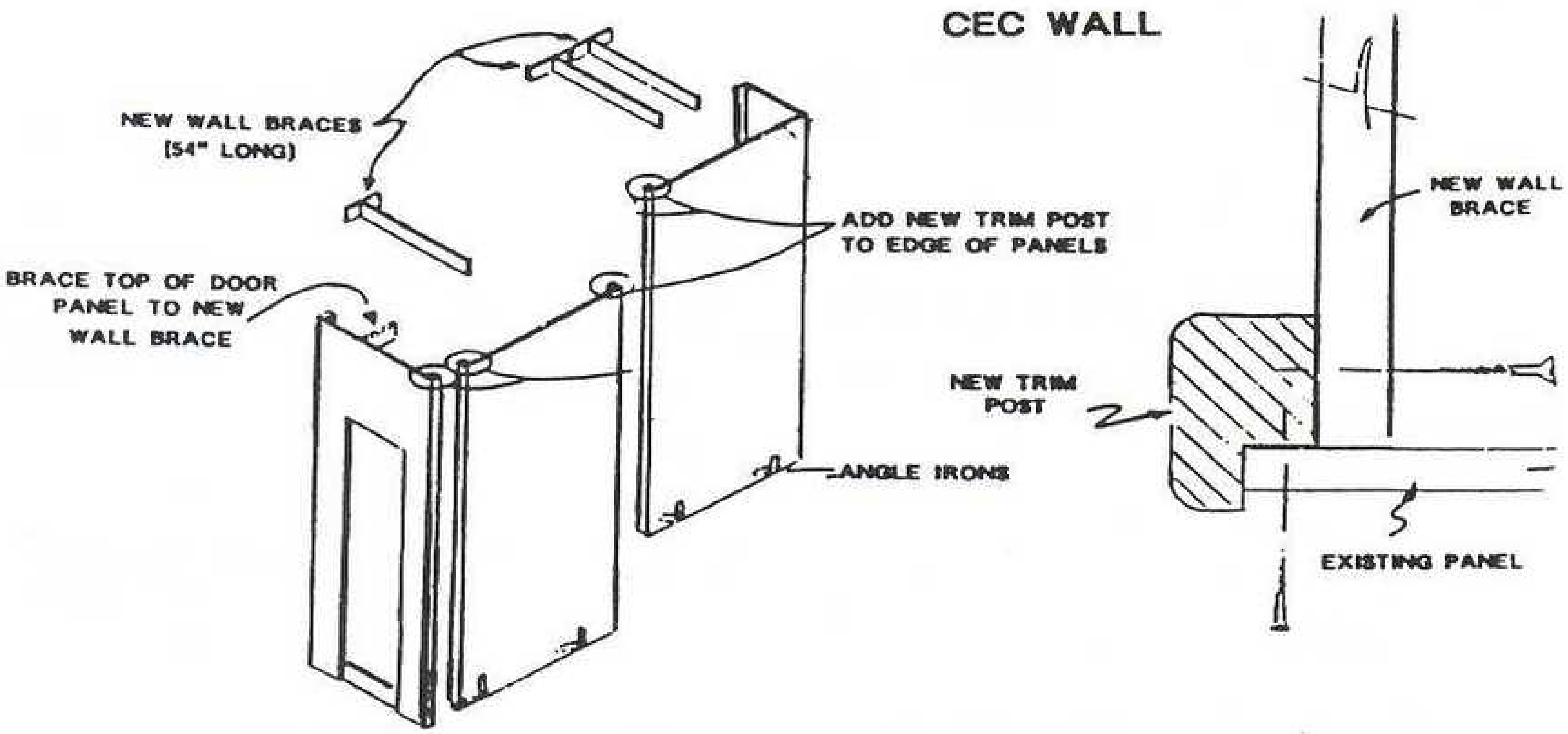


SEPARATE PROPS AS SHOWN
MONITOR 3' FROM FRONT OF STAGE

3.1 CONT. Instructions for supporting CEC Prop Walls, Pasqually Brick Walls, and fiberoptic panel prop.



1. Attach brace to top of Chuck E. panel.
2. Attach 54" braces to top of Chuck E. wall panel and pieces (trim to fit if necessary).
3. Fasten end plates of 54" braces to wall.
4. Fasten door panel brace to outside 54" brace.
5. Pasqually wall braces attach same as Chuck E.
6. Outside Pasqually wall is framed and screws directly to floor.



See blueprint detail for placement.

The star should be directly behind Chuck E. Mount Chuck E. light molding with 1 1/2" drywall screws in front of star wall on floor according to blueprint detail.

<u>PASQUALLY'S BRICK WALL PROP</u>

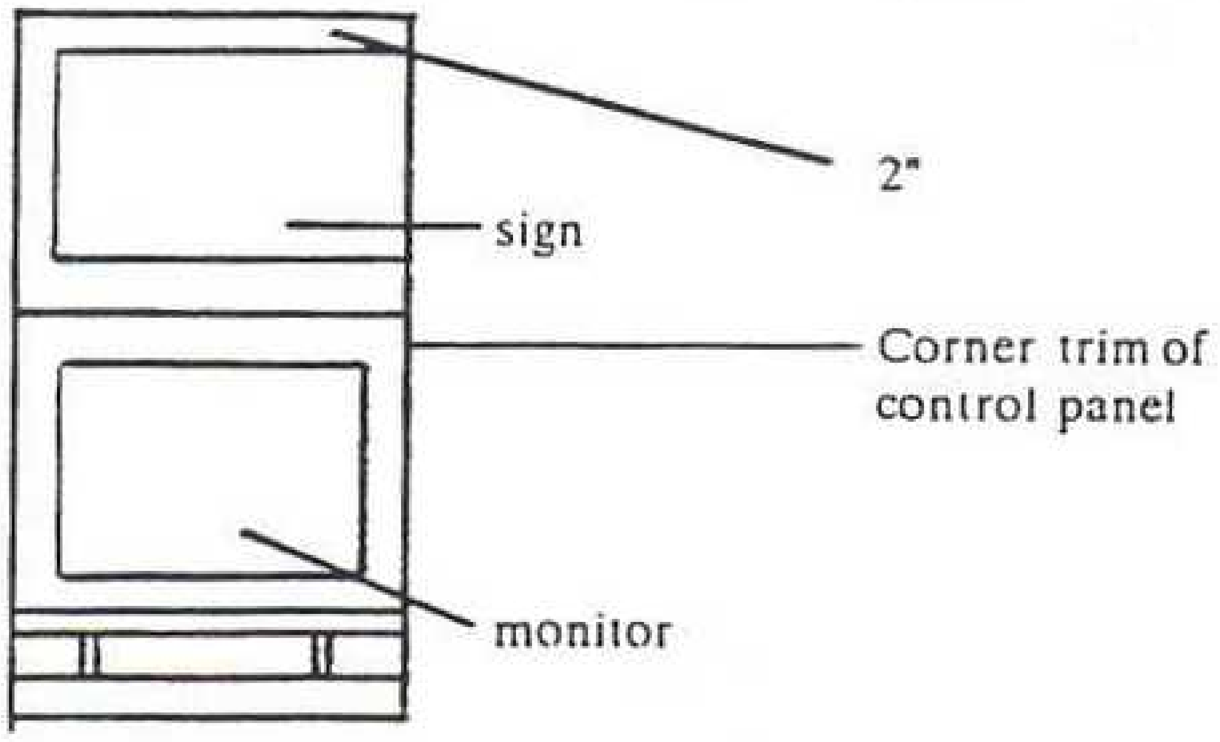
See blueprint detail for placement of left side panel with door.

Attach top brick wall to bottom brick wall and secure to side panels and stage floor.

Place light molding in front of wall according to blueprint and screw to stage floor.

FIBEROPTIC SIGN

CEC Fiberoptic sign power cord is at bottom. Screw to wall behind 50" monitor using 1" dry wall mount screw 2" down from the top and flush with the stage left side of the control room.



FIBER OPTIC CURTAIN

Attach curtain to 2 x 4 on back wall using heavy duty staple gun and staples (light source is at bottom of curtain and will be marked as to where to line up). Test curtain by powering into wall and light source. Some of curtain may be hidden on stages smaller than 28'. Center the curtain so firework displays are on either side of Munch's Make Believe Band sign.

BUILDINGS

Place and secure floor according to blueprint using 2" drywall screws at bottom lip brace on front of building. Buildings will be marked according to blue print but may over lap depending on stage width.

MUNCH'S MAKE BELIEVE BAND (MMBB) SIGN

Secure base to stage floor according to blueprint; install 75W bulb centering in between two planters. Remove protective covering from back side of plexi sign. Hang MMBB plexiglass sign over light box. Run power cord through hole in building.

PLANTERS

Place according to blueprint and screw into top of stage floor. If they are too long for your particular stage, measure and cut to fit (place cut ends toward each other when placing on stage).

3.2 LIGHTING

Place effects floor lights according to blueprint and diagram; secure to stage floor behind planters, Pasqually and CEC light moldings respectively. Run wiring through holes at bottom of props.

3.3 CHARACTER PLACEMENTS

Place character leg armatures in position according to blueprint and bolt to stage floor. Attach cyber mechs to leg armatures. Connect air lines and character ribbon cables, make sure they are working.

3.3 CONT. Helen - Match White Color Code on waist to leg pipes

Munch - Match Green Color Code on waist to leg pipes

a. Bolt pipe legs to waist armature at pre-drilled hole using 1/4" X 1 1/2" flat head slotted screws, flat washer, lock washer and hex nut.
b. Using blueprint measurements, place the leg armature, drill through the pipe holes down through the stage, secure with bolts (see Technical Notes & Hints).
c. Tilt mech to side to get into waist armature. Once you get mech in armature, rotate mech to front. Bolt in place.
d. Remove cosmetic shoulder support rings and bar from mech.
e. Screw front body shell to mech, lining up holes at shoulder plate with holes where rings were bolted using 10/32 X 1 1/2" slotted machine screw, flat washer, lock nut. Latch on the back half at top and sides (see Technical Notes & Hints).

Jasper - Match Blue Color Code on waist to leg pipes

a. Turn speaker (seat) upside down, line up holes in top of vent pipe with holes in bottom of waist armature, bolt together. Jasper's waist armature is the one where both legs are attached at even angles.
b. Turn right side up. Screw pipe legs into waist armature. Tilt armature back and slip hose legs over pipe. Hose legs are secured with clips on waist armature. (Catch wire ridge that is in hose, tighten screws.)
c. Using blueprint measurements, place the leg armature, drill through the pipe holes down through the stage, secure with bolts. Bolt legs to stage floor using 1/2" X 1 1/2" hex lag bolts.
d. Screw front body shell to mech, lining up holes at shoulder plate with holes where rings were bolted using 10/32 X 1 1/2" slotted machine screw, flat washer, lock nut. Latch on the back half at top and sides (see Technical Notes & Hints).
e. Bolt upper mech to waist armature. To set mech inside waist armature see attached diagram. Tilt mech to side to get into waist armature. Once you get mech in armature, rotate mech to front. Bolt in place.
f. Remove metal shoulder cosmetic rings and metal bar from mech.
g. Screw front plastic torso to mech (must remove banjo first), lining up holes at shoulder plate with holes where rings were bolted using 1032 X 1 1/2 slotted machine screw, flat washer, lock nut. Latch on the back half at top and sides (see Technical Notes & Hints).

Pasqually - Match Yellow Color Code on waist to leg pipes

a. Turn drum stool upside down, remove wood screws from outside holes of bracket. Replace with 10/32 X 4" machine screws. Screws go through cushion seat.
b. Turn waist armature upside down, line up screws in drum stool with T-Nuts in bottom of waist armature or drill new holes in base if they do not line up.
c. Turn right side up. Screw pipe legs into waist armature (you may need to adjust stool height to correspond with pipe leg height). Tilt armature back and slip hose legs over pipe. Hose legs are secured with clips on waist armature. Catch wire ridge that is in hose, tighten screws.
d. Using blueprint measurements, place the leg armature, drill through the pipe holes down through the stage, secure with bolts. Bolt legs to stage floor using 1/2" X 1 1/2" hex lag bolts.
e. Bolt upper mech to waist armature. Tilt mech to side to get into waist armature. Once you get mech in armature, rotate mech to front. Bolt in place.
f. Remove metal shoulder cosmetic rings and metal bar from mech.
g. Screw front plastic torso to mech, lining up holes at shoulder plate with holes where rings were bolted using 10/32 X 1 1/2" slotted machine screw, flat washer, lock nut. Latch on the back half at top and sides. (See Technical Notes & Hints.)

3.4 CHARACTER CABLES - Harness and route cables neatly under stage, and hang them from the joists. Do not let them lie on the floor (see Technical Notes & Hints).

Holes for airlines should be drilled from on top of stage through to the bottom. Placement should be right next to the leg armature pipe. See blueprint detail.

3.5 DRESS CHARACTERS

HELEN

1. Foam Legs:
   a. Velcro closure - center back foam edge
   b. Hard velcro - top foam edge

2. Leg Cover:
   a. Velcro closure - center back
   b. Soft velcro - inside upper edge to secure to foam.
      1. Velcro top edge leg cover to foam leg.
      2. Wrap foam leg around pipe. Secure velcro at top and bottom and close up as smooth as possible.
      3. Stretch leg cover around foam leg starting at top close velcro center back smoothing out all wrinkles.

3. Tennis Shoe:
   a. Slip around pole.
   b. Fold back upper foot foam to bolt to floor (1/4 x 1 1/2" hex wood screw).
   c. Pull upper foot foam and fur around pipe and velcro close.

4. Bloomers:
   a. Soft velcro around inside waist to attach to waist armature.
   b. Male snaps around outside waist to attach skirt velcro closure-center back inside leg seams.

5. Skirt:
   a. Female snaps - inside around waist to attach to bloomers.
   b. Velcro closure - center back.

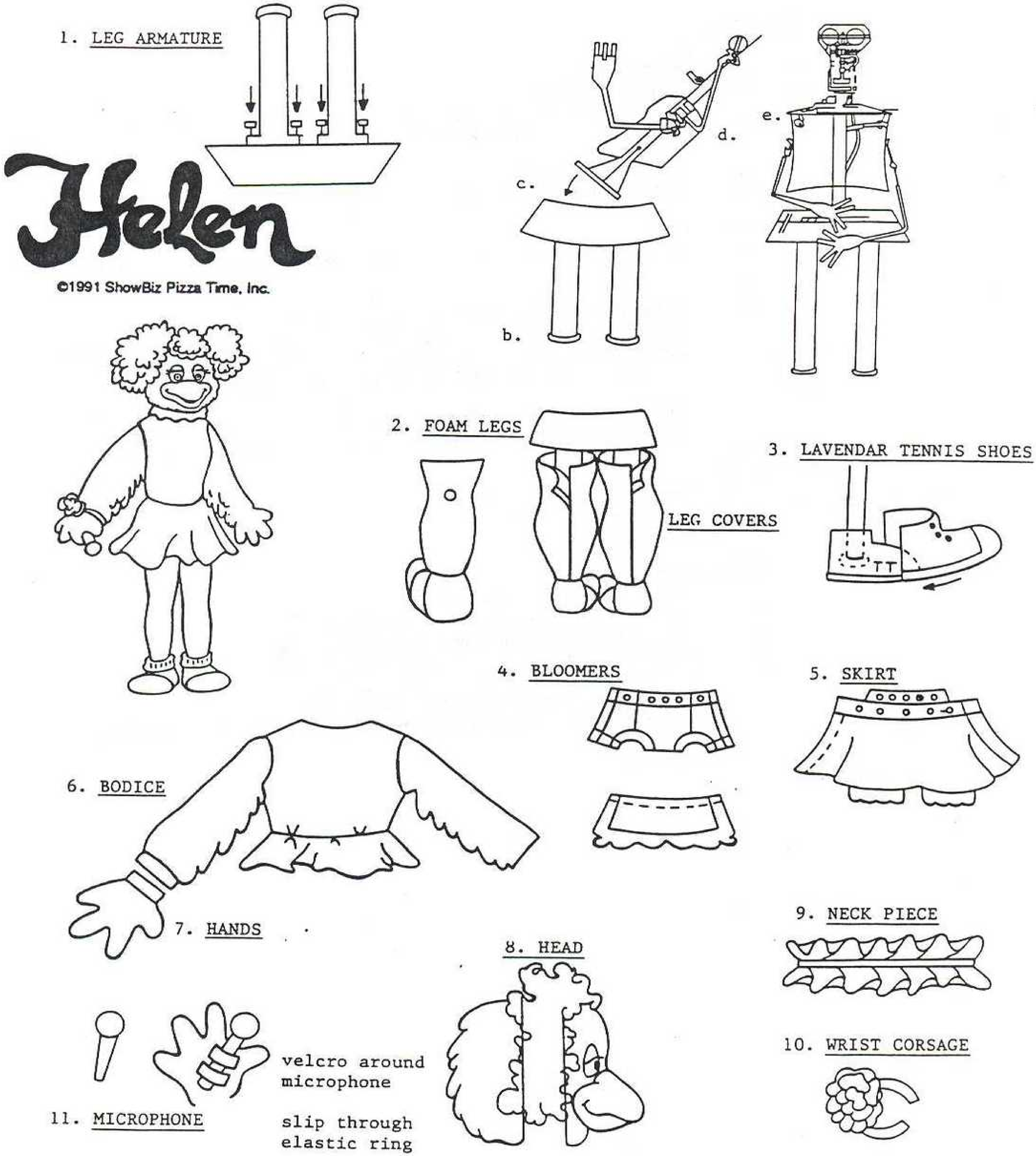
6. Bodice:
   a. Velcro closure - center back.
   b. Soft velcro inside bottom edge arms to attach hands.

7. Hands:
   a. Hard velcro - outside edge.
   b. Velcro closure in palms.
   c. Hard velcro strap and elastic loop on palm of right hand for microphone (see Helen hand drawing on previous page).

8. Attach new cosmetic head pieces (front and back).

9. Neck Ruffle:
   a. Hard velcro around inside center to attach to bottom edge of head.

10. Velcro wrist corsage on right wrist and safety pin to secure (to hide pin, pin from underneath).



ALL PARTS COLOR CODED WHITE

JASPER

1. Tennis Shoe & Base:
   a. Slip around pole.
   b. Fold back upper foam to bolt to floor (1/4 x 1 1/2" hex wood screw).
   c. Pull upper foam and fur around pipe and velcro close.

2. Knee Pad:
   a. Preassembled inside of pocket on knees.

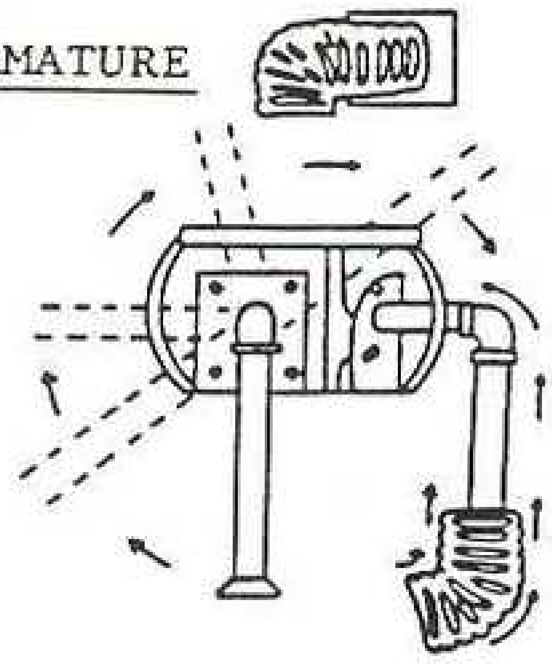
3. Fat Suit:
   a. Velcro tabs at center back to join. Fits over waist armature and under body shell.

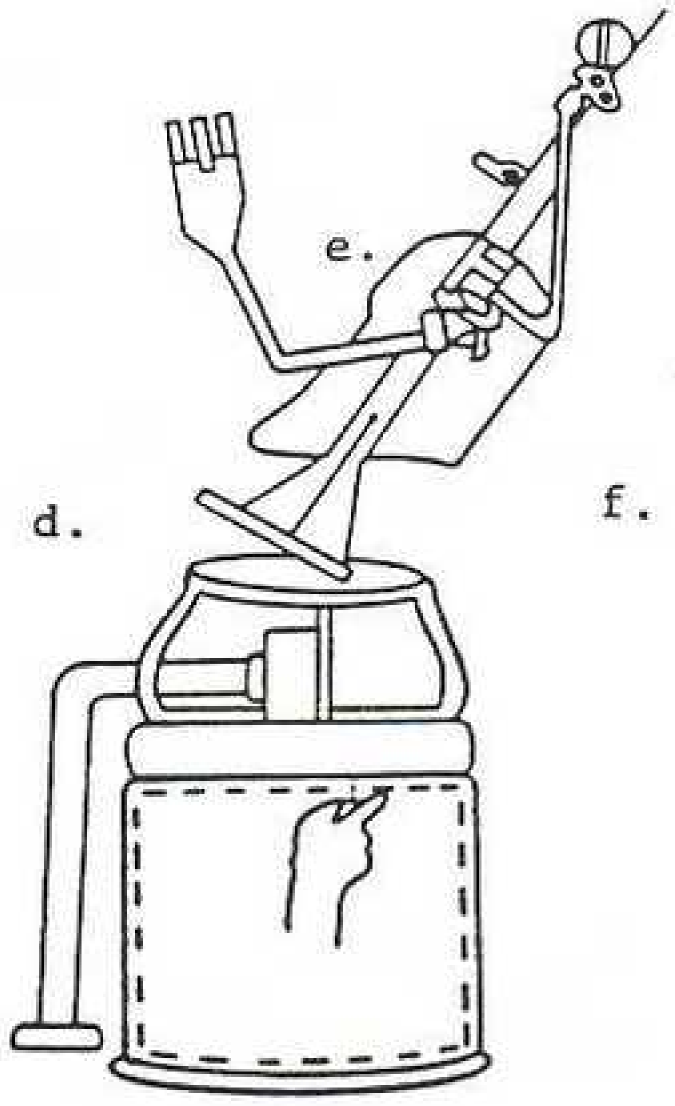
4. Pants:
   a. Velcro closure center back (fits under body shell).
   b. Soft velcro - inside lower edge from center back to point that leg is sewn in (each side) to attach to bottom of waist armature.
   c. Soft velcro inside lower edge center front - to attach to bottom of waist armature.
   d. Soft velcro inside to outer leg seam to join leg around hose.
   e. Hard velcro outside to inner leg seam to join around hose.

5. Shirt:
   a. Velcro closure - center front
   b. Velcro Closure - center back
   c. 2 Snaps - Cuffs

6. Hat Instructions:
   a. Break away front and back head pieces.
   b. Turn back of front head piece towards you.
   c. Center hat on back of front head piece
   d. Mark pilot holes
   e. Drill pilot holes with 1/8" bit
   f. Replace hat and secure with (4) screws provided
   g. Velcro front and back head pieces together (see Technical Notes & Hints).

1. LEG ARMATURE

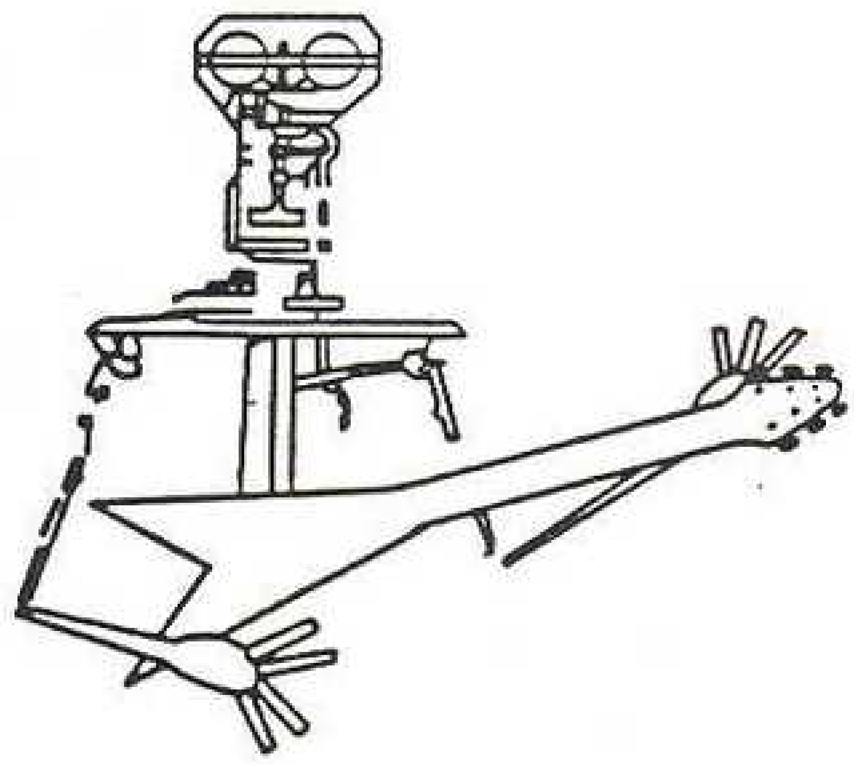






JASPER

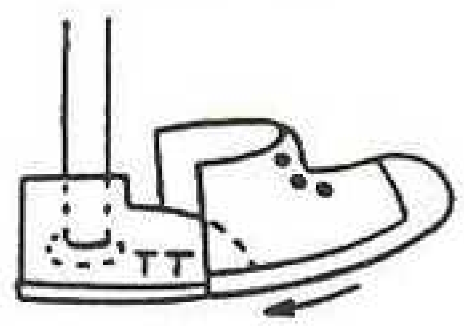
ALL PARTS MARKED WITH BLUE TAPE





Speaker
Base

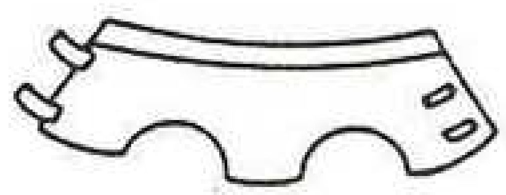
2. FEET Red & White



3. KNEE PAD

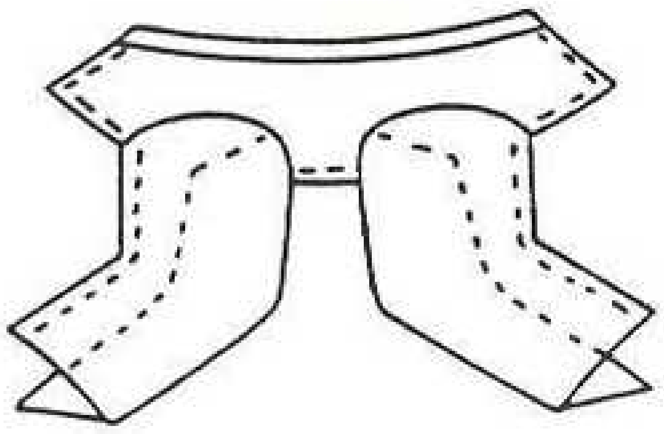


4. FAT SUIT



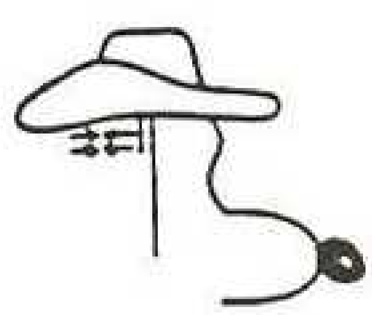
6. SHIRT

5. JEANS





7. HAT



PASQUALLY

1. Tennis Shoe:
   a. Slip around pole.
   b. Fold back upper foam to bolt to floor (1/4 x 1 1/2" hex wood screw).
   c. Pull upper foam and fur around pipe and velcro close.

2. Knee Pad & Outer Left Leg Pad:
   a. The leg pad goes on outside of angle where leg connects to armature.
   b. Velcro straps to secure around hose.
   c. Knee pads are pre sewn inside of knee pockets in pants.

3. Fat Suit:
   a. Velcro tabs center back to join. Fits over waist armature.

4. Pants:
   a. Velcro closure center back (fits under body shell).
   b. Soft velcro - inside lower edge from center back to point that leg is sewn in (each side) to attach to bottom of waist armature.
   c. Soft velcro inside lower edge center front - to attach to bottom of waist armature.
   d. Soft velcro inside to outer leg seam to join leg around hose.
   e. Hard velcro outside to inner leg seam to join around hose.

5. Shirt:
   a. Velcro closure center back,
   b. Hard velcro tabs on shoulders.
   c. Fits outside of pants.

6. Apron:
   a. Snaps, soft velcro tabs on shoulder straps.
   b. Hot glue "Pasqually" name patch to apron front.

7. Hands:
   a. Velcro closure in palm if you order new ones.
   b. See Technical Notes & Hints and drawing on previous page for securing drumsticks.

8. Chef Hat:
   a. If hat is flat, fluff up by stuffing it with white tissue paper.

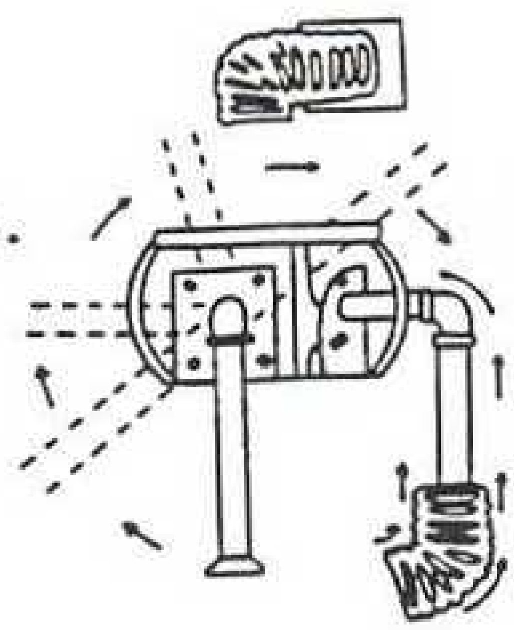
ALL PARTS CODED YELLOW

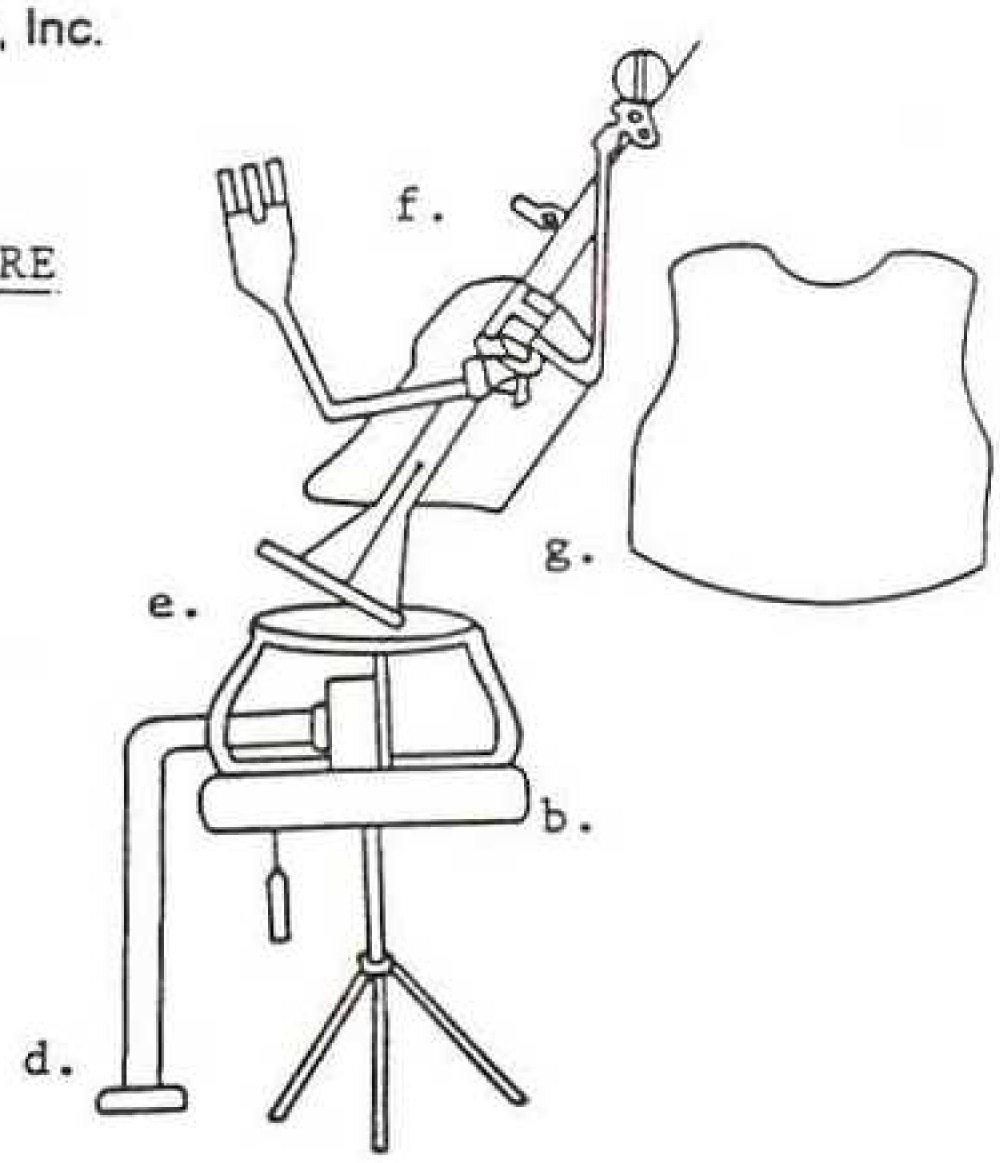
Pasqually



1. LEG ARMATURE

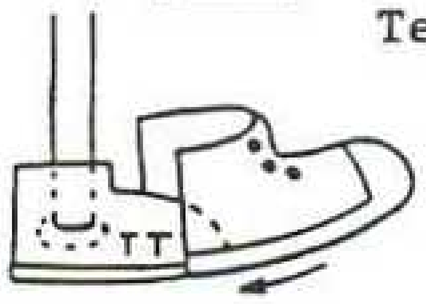
c.



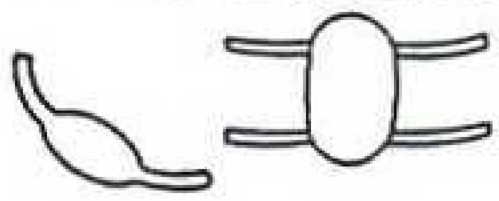


b. d. e. f. g.

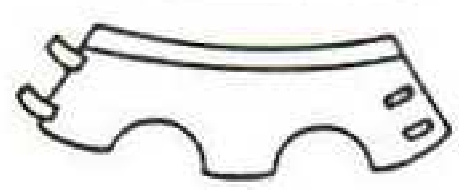
2. FEET - Black & White Tennis Shoes



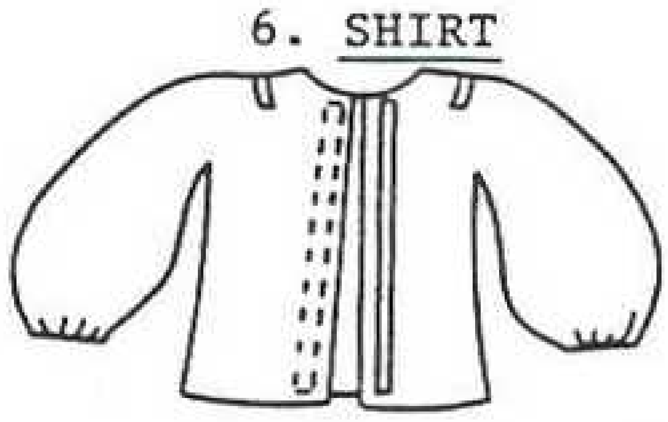
3. KNEE/THIGH PADS



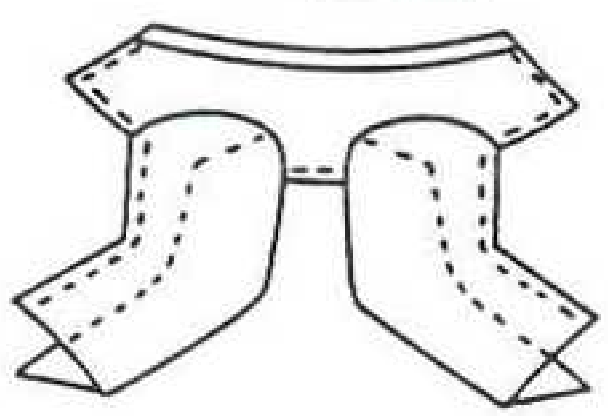
4. FAT SUIT



6. SHIRT



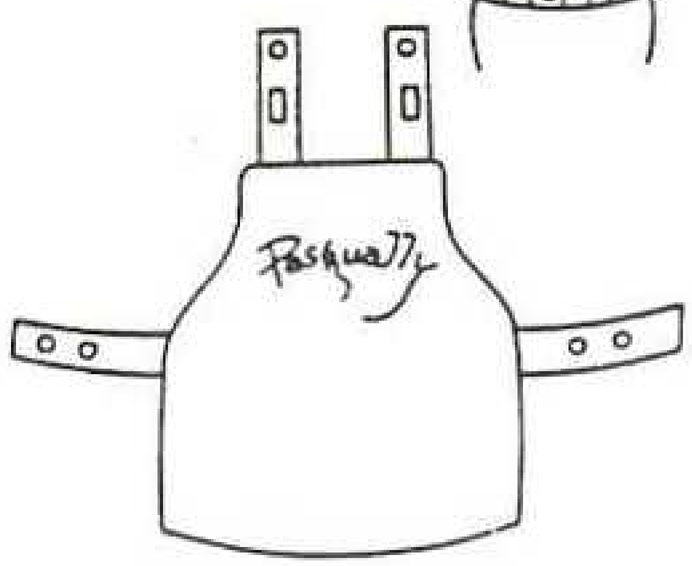
5. PANTS



back

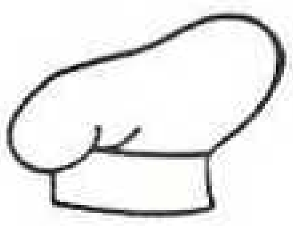


7. APRON

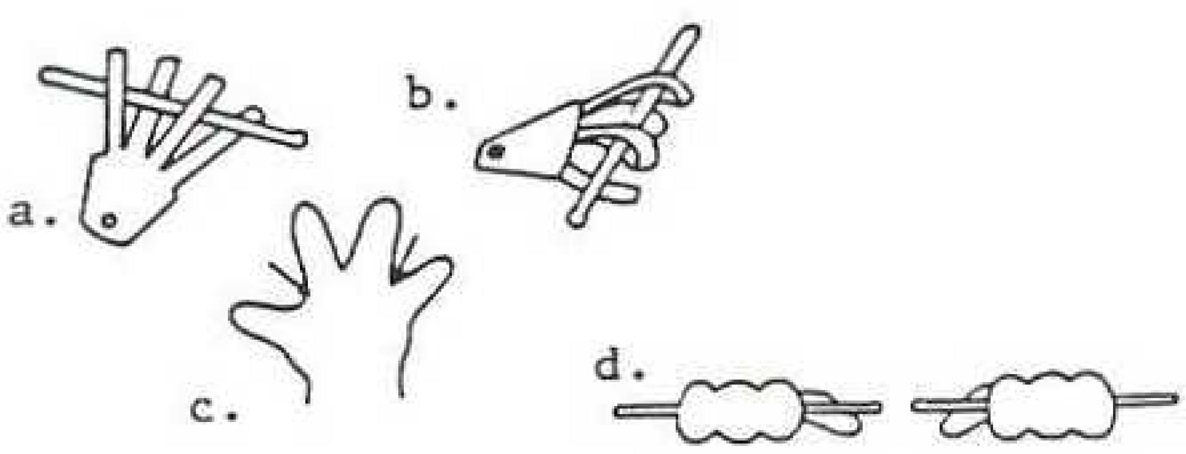


front

9. HAT



8. HANDS



a. b. c. d.

MUNCH

1. Tennis Shoe & Base:
   a. Slip around pole.
   b. Fold back upper foam to bolt to floor (1/4 x 1 1/2" hex wood screw).
   c. Pull upper foam and fur around pipe and velcro close.

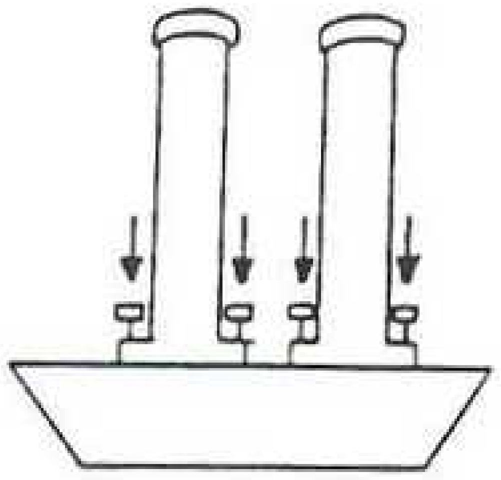
2. Lower Fat Suit:
   a. Snap to inside upper edge of legs.
   b. Male snaps around outside upper edge to attach fur legs.
   c. 3-Velcro tabs - center back to join.

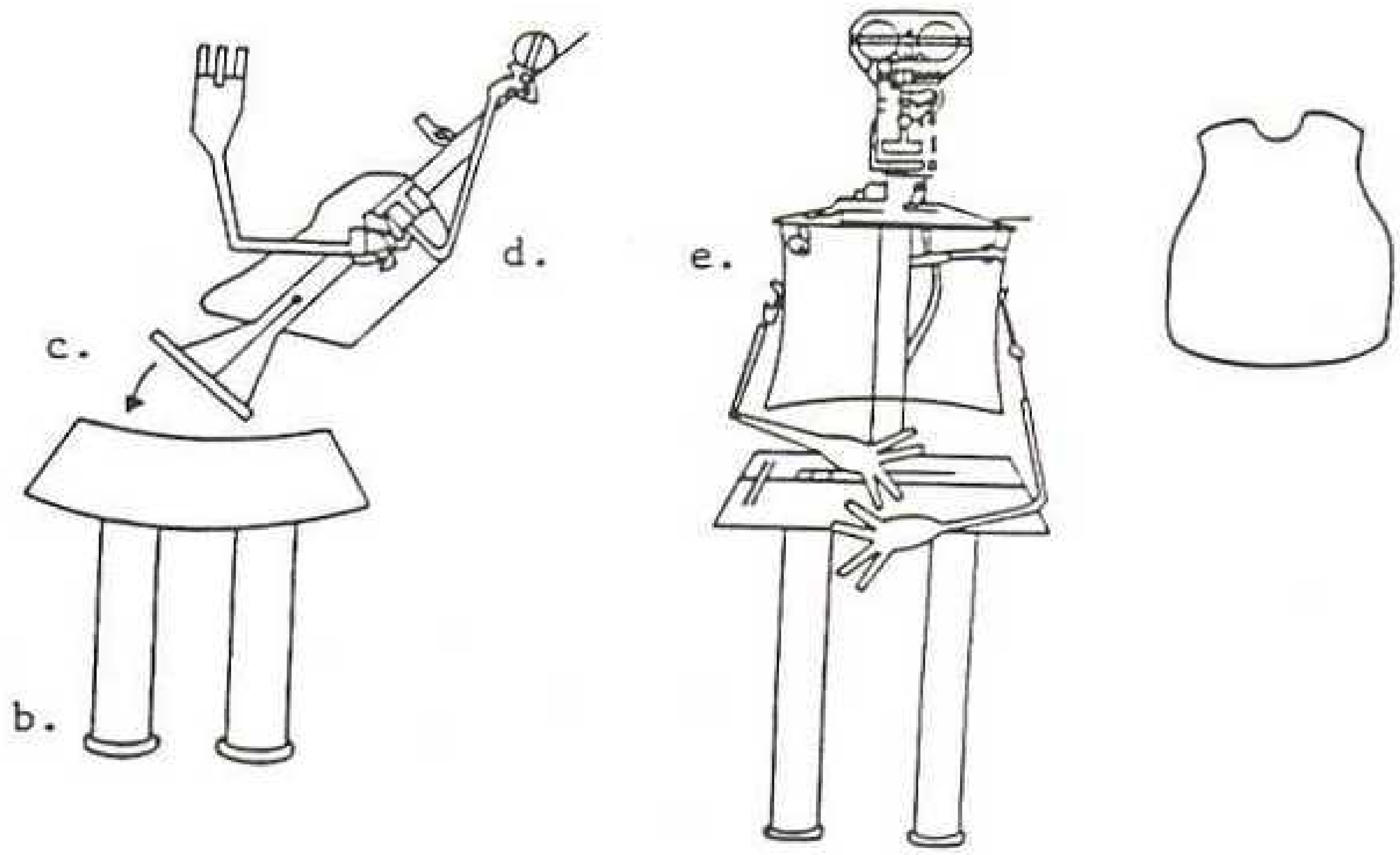
3. Fur Legs:
   a. Velcro to upper of waist armature.
   b. Velcro closure - center back
   c. Velcro closure - inside leg seam

4. Upper Body:
   a. Soft velcro inside across middle and each side.
   b. Yellow belly - is attached to upper fat suit.
   c. Velcro closure - center back
   d. Velcro closure - side seams
   e. Velcro closure - arm seams
   f. Velcro closure in palm

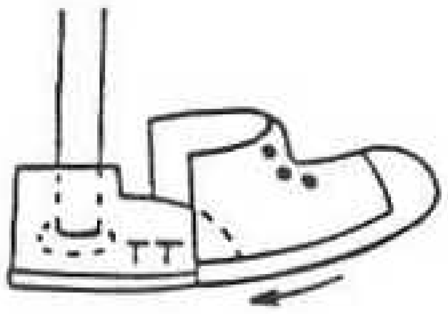
5. Hat Instructions:
   a. Break away front and back head pieces.
   b. Turn back of front head piece towards you.
   c. Center hat on back of front head piece.
   d. Mark pilot holes
   e. Drill holes with 1/8" bit.
   f. Place hat and secure with 4 screws provided.
   g. Velcro front and back head pieces together (see Technical Notes & Hints).

1. LEG ARMATURE

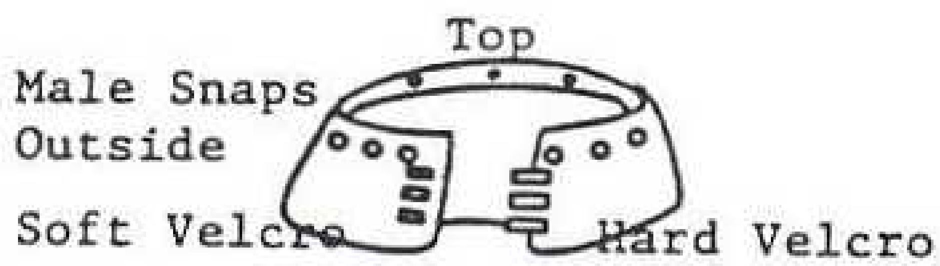




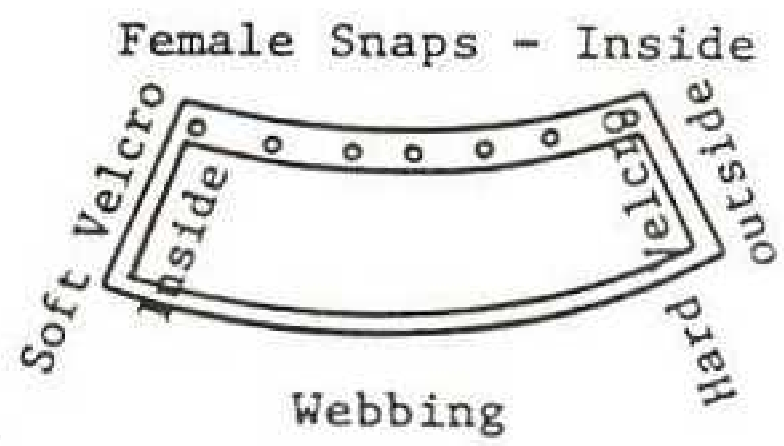
2. GREEN TENNIS SHOES



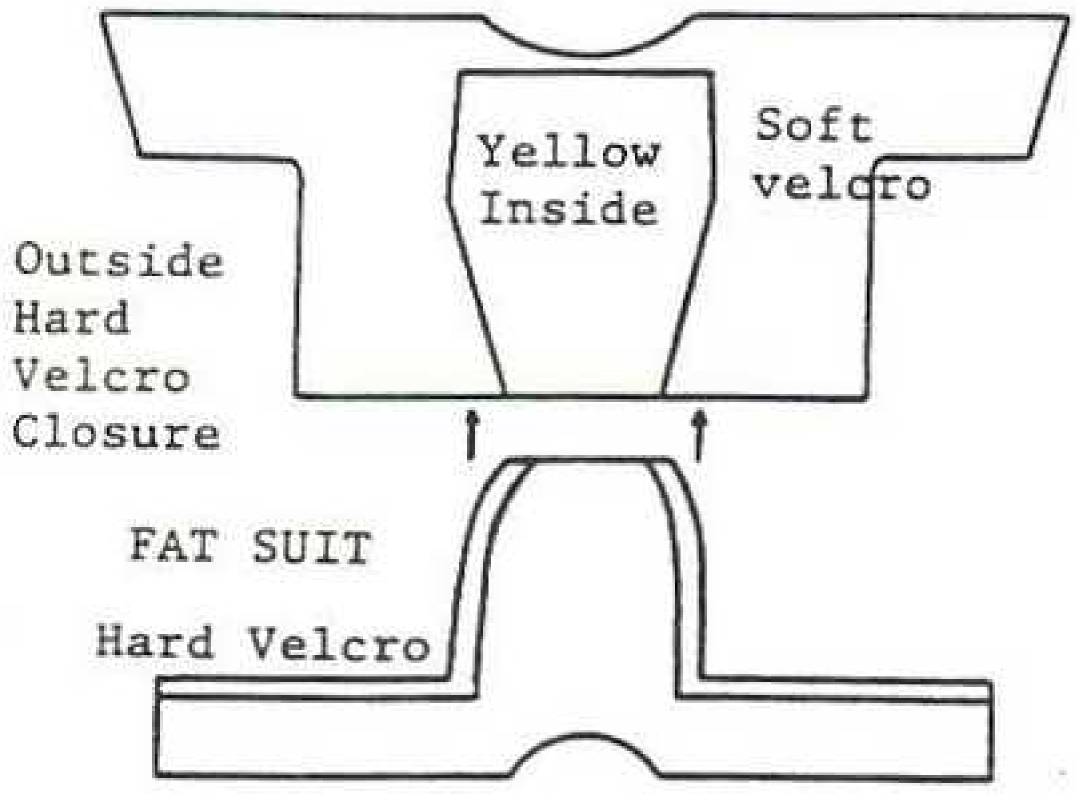
3. LOWER FAT SUIT

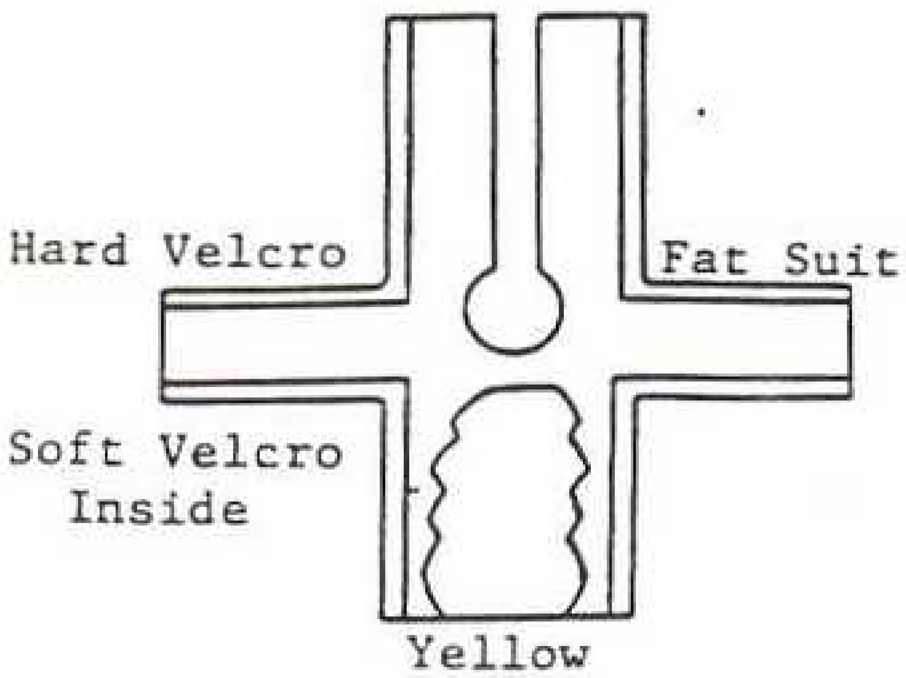


4. FUR LEGS



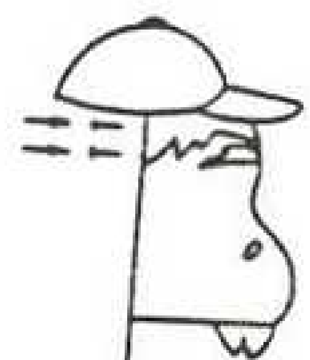
5. FUR





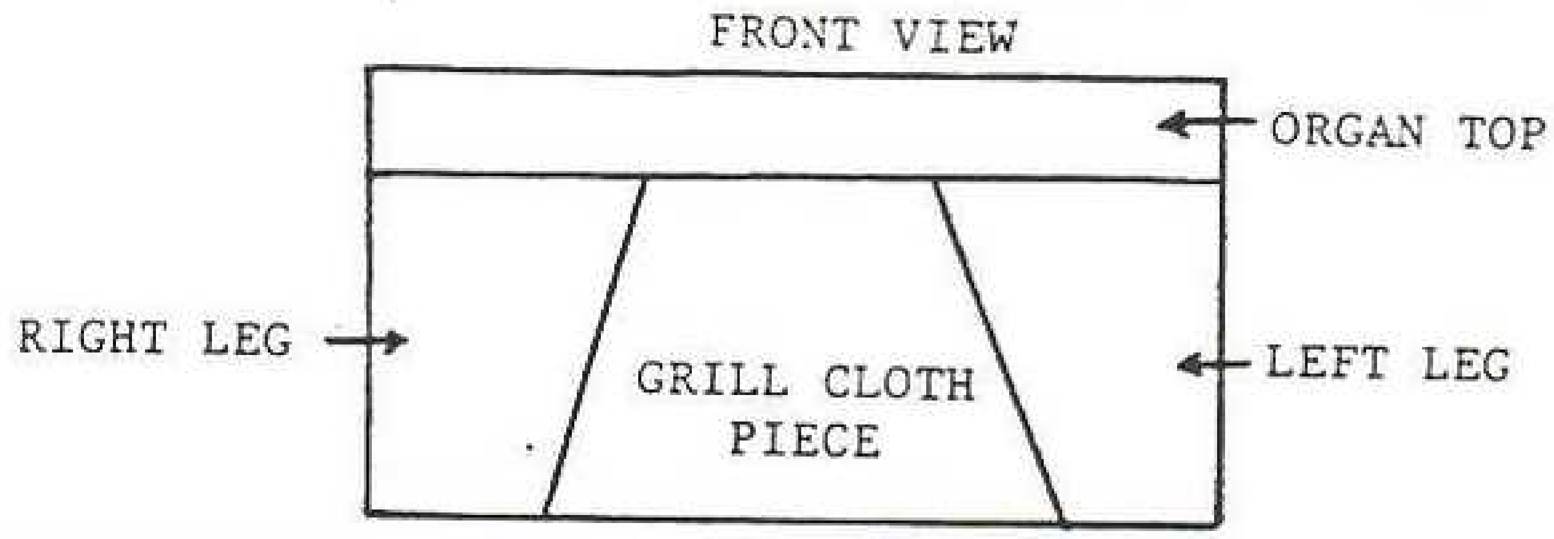


6. HAT

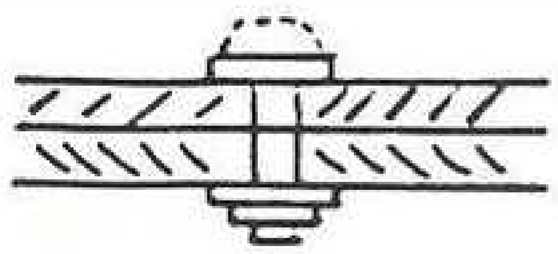


ALL PARTS CODED GREEN

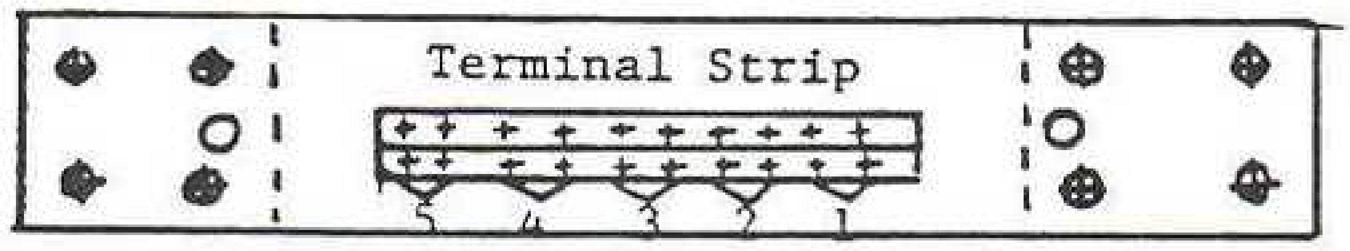
3.6 Position organ in front of Munch and secure to floor and amp plug in according to lighting circuit chart.



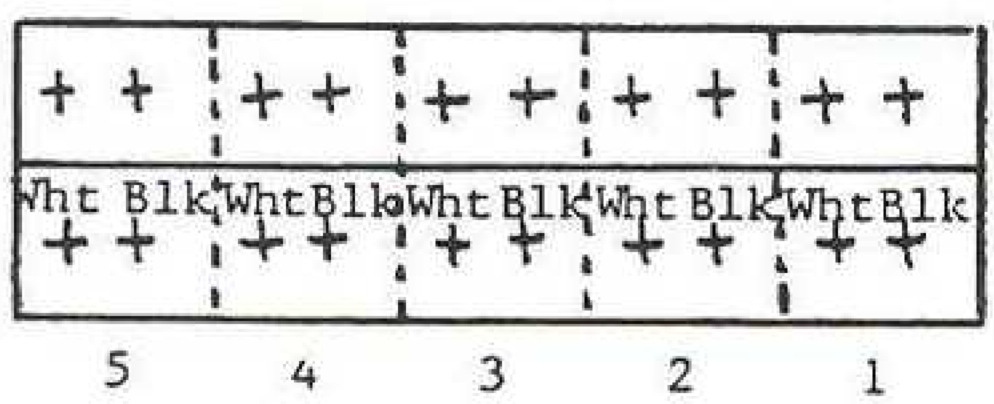
1. Organ shipped in four separate parts, plus appropriate hardware.
2. Remove plastic back (u-shaped) piece of the right and left legs by removing four phil pan head screws from each leg.
3. Remove plastic key board area, top piece of organ, by removing four phil pan head screws.
4. Mount bottom of organ top to the top of the right and left organ legs. Eight sets of mounting hardware supplier; bolt, 2 fender washer, lock washer, and nut.



5. Feed number coded 12 awg. wires (pre assembled in left and right legs) through pre-drilled holes supplied at right and left legs.



6. Connect number coded 12 awg. wires to number positions on terminal strip mounted to top of organ. For example:



Note: Place wires in appropriate positions at terminal strip and tighten screws securely.

7. Place and secure back of both legs and top of organ.

8. Anchor the back of both legs to the platform with 2" L-brackets and 1" sheetrock screws.

9. Mount front grill to front inside of organ (between the legs) with 1 1/2" L-brackets.

10. Drill a 1" hole (with spade bit) through platform in order to feed wires with male plugs. Locate 1" hole approximately 1" to the back of the leg, on the inside of organ assembly (stay clear of any supports on underside of platform).

11. Feed wires through hole and plug into appropriate electrical circuit located at the electrical speedway at back of stage.

3.7 Position drum set in front of Pasqually and secure to stage.

1. **Parts Included**:

2 DRUM sticks
1 20" Bass Drum Shell
2 20" Bass Drum Hoops
2 20" Bass Drum Heads
2 Bass Drum Spurs
1 5 1/2 X 14" Snare Drum
1 8" X 12" Tom-Tom
1 Tom-Tom Arm
1 Bass Drum Pedal
1 Snare Stand
1 Bass Mounted Cymbal Stand
1 Cymbal

2. **The following instructions will be in order of assembly:**

20" Bass Drum Assembly: Put one Bass drum head over each side of Bass drum shell. Check both Bass drum rims making sure flat side is towards shell. Slip the T-Rod through a washer and the Drum Claw and attach loosely into receptacles in Bass drum. After all T-rods are finger tight, begin to criss-cross tighten each T-rod to desired tone keeping tension on each claw as evenly as possible.

5 1/2 X 14 Snare Drum and 8" X 12" Tom Tom: These drums should already be assembled. If not, follow the same procedure as above when attaching the heads.

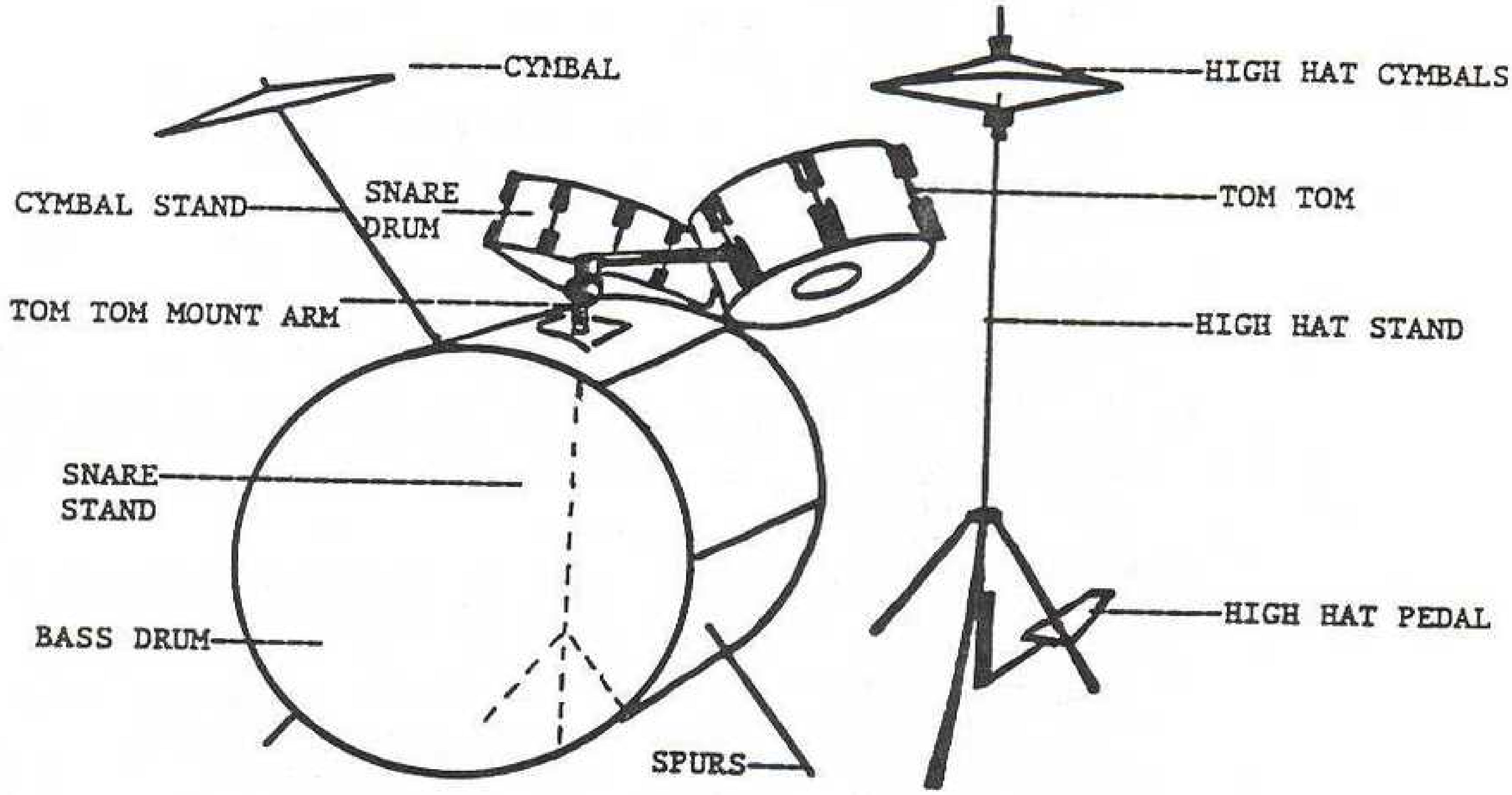
Tom-Tom Arm: Place Tom-Tom arm in the appropriate receptacle on the top of the Bass drum. Tighten the appropriate lug to secure the arm to the bass drum. After securing the Tom-Tom arm, attach the Tom-Tom drum to the Tom-Tom arm. It will be located on the side of the Tom-Tom. Tighten appropriate screw to secure Tom-Tom to the Tom-Tom arm.

Base Drum Spurs Legs: There are two Bass drum spurs. They have a rubber tip on each to prevent sliding of the Bass drum. They are attached to either side of the Bass drum on the bottom. There is a receptacle for each. Tighten each with the screw to secure to Bass drum.

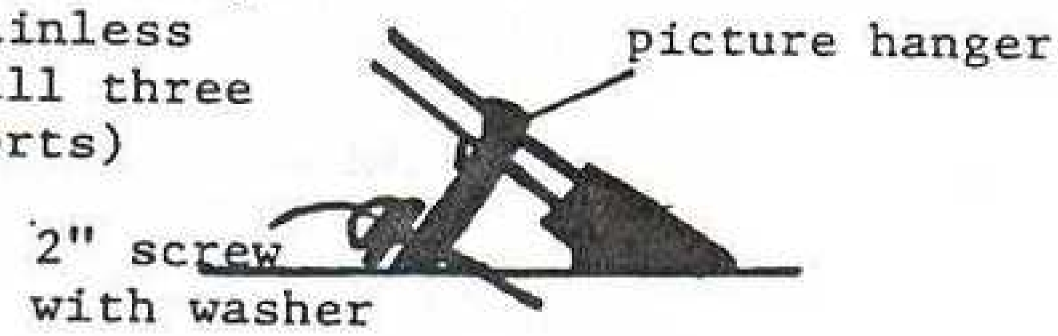
Bass Mounted Cymbal Stand: This is a small rod that is attached to the appropriate receptacle on the top of the Bass drum. Tighten the appropriate screw to secure it to the Bass drum. Next, slip the cymbal to the top of the rod and secure the Cymbal with the cymbal holder included with the set. It has a small screw attached to it. Tighten this screw to secure to Cymbal rod.

Snare Stand: Unfold the Snare stand pulling out legs until fully extended and tightening appropriate screw to lock in place. Unfold the top of the stand and place Snare drum on top. Place stand and drum on the right side of the bass drum as you sit behind the Bass drum. Drill hole through arm and drum with 1/8" stainless steel bit and secure with sheet metal screw.

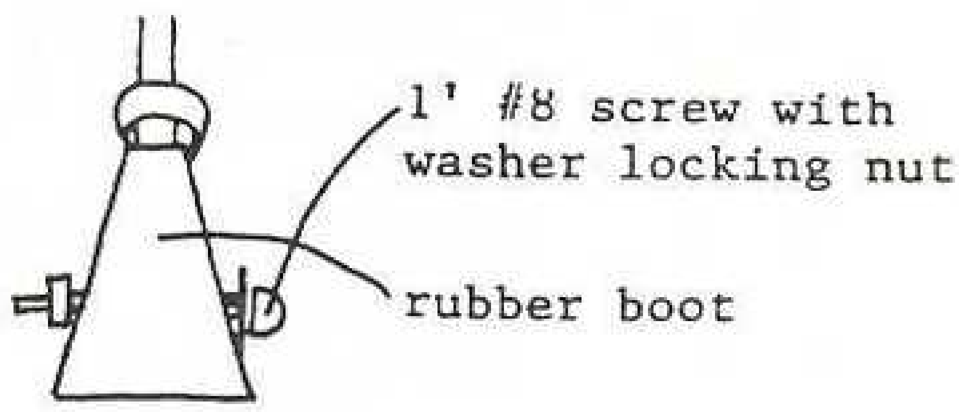
Bass Drum Pedal: There is a flange on the font of the Bass drum pedal with an attached tightening screw. Slip the flange over the Bass drum rim at the very bottom of the Bass drum. Secure it to the Bass drum by tightening the screw. Do not use base drum beater. Drill through middle of pedal and secure tennis shoe to pedal.







STAND LEG SIDE VIEW



STAND LEG FRONT VIEW

3.8 WINK MECH'S INSTALLATION INSTRUCTIONS

1. Mount the 4-way valve to the Chuck E. Cheese's weldment (Refer to Base Support diagram #2).

2. Locate the barb fitting that is plugged into port #1 of the 4-way valve. Connect the short piece of 1/8" I.D. air line (provided with the wink) to this barb. Use the "T" air line splicer and splice it in to the air line that is coming out of the Chuck E. Cheese's 28 PSI regulator.

3. Extend the solenoid wires to reach the terminal strip TB2, #3 and #4 of Chuck E. Cheese's solenoid board (refer to base support diagram #3).

4. Attach the black wire to terminal #3, and the red wire to terminal #4.

5. Locate the barb fitting that is plugged into port #2 of the 4-way valve. Connect the long piece of 1/8" I.D. air line (provided with the wink) to this barb. Connect the other end of this air line to the cylinder mounted to the wink.

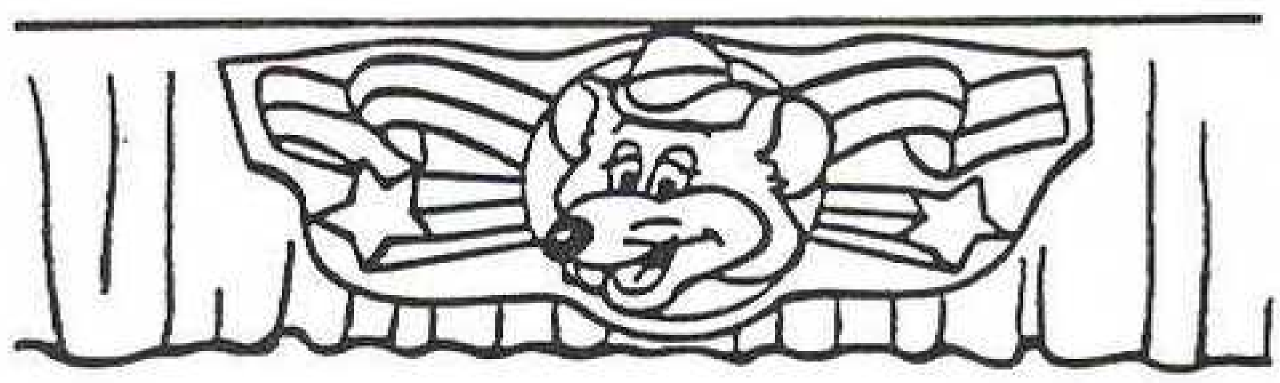
6. Center the wink on the valance board located above the stage (Refer to diagram #1).

7. Run 1/8" air line from Chuck through floor, up behind Fiber curtain, across ceiling through a small hole behind valance, then to Wink's cylinder.

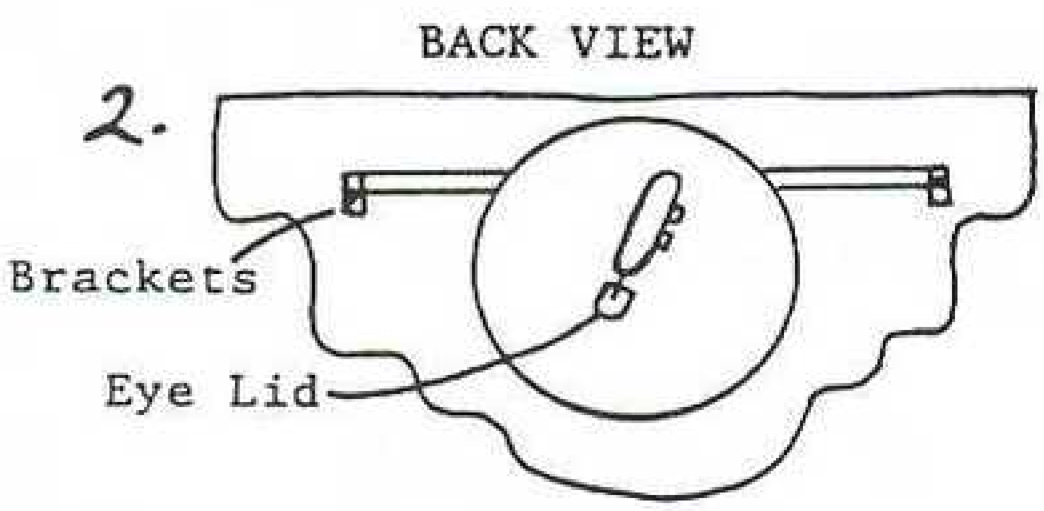
8. Adjust the wink's flow control if necessary.

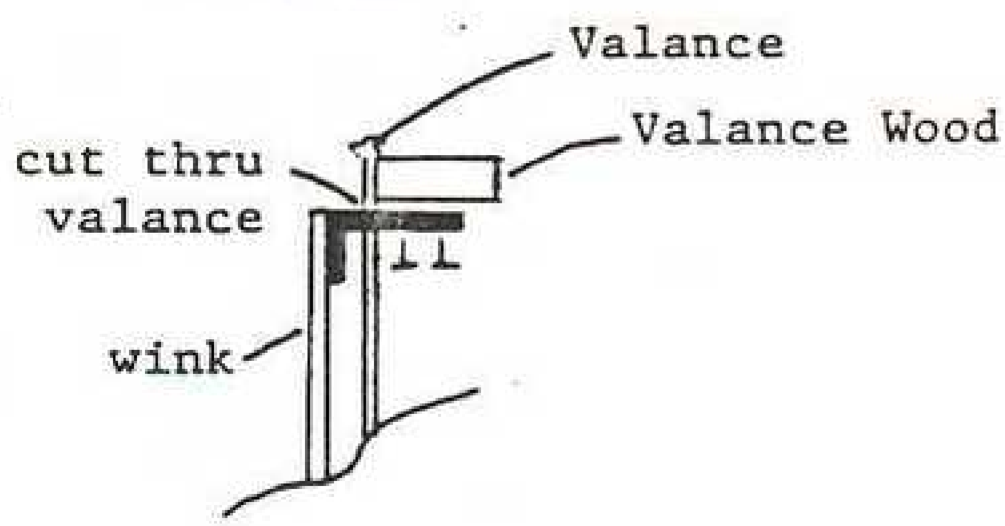
9. Make sure that the spot light for the wink is plugged into outlet marked 2-11 and it is aimed at the wink.

1.

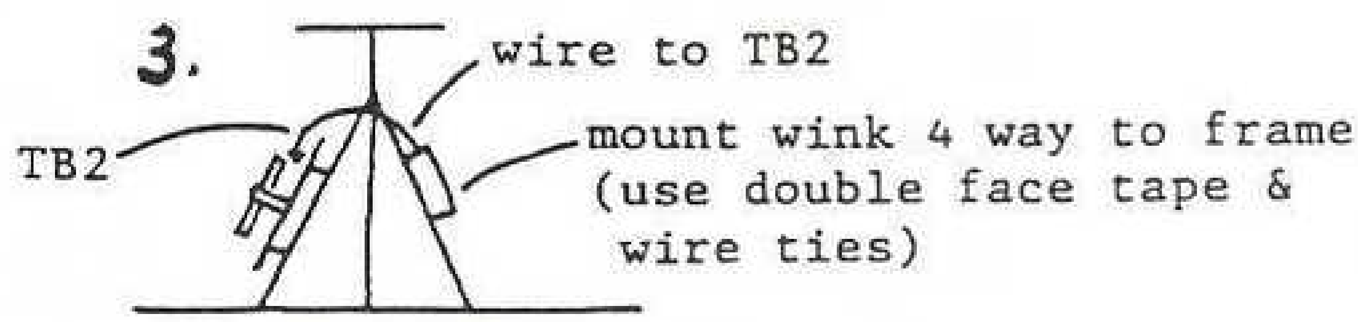


2.



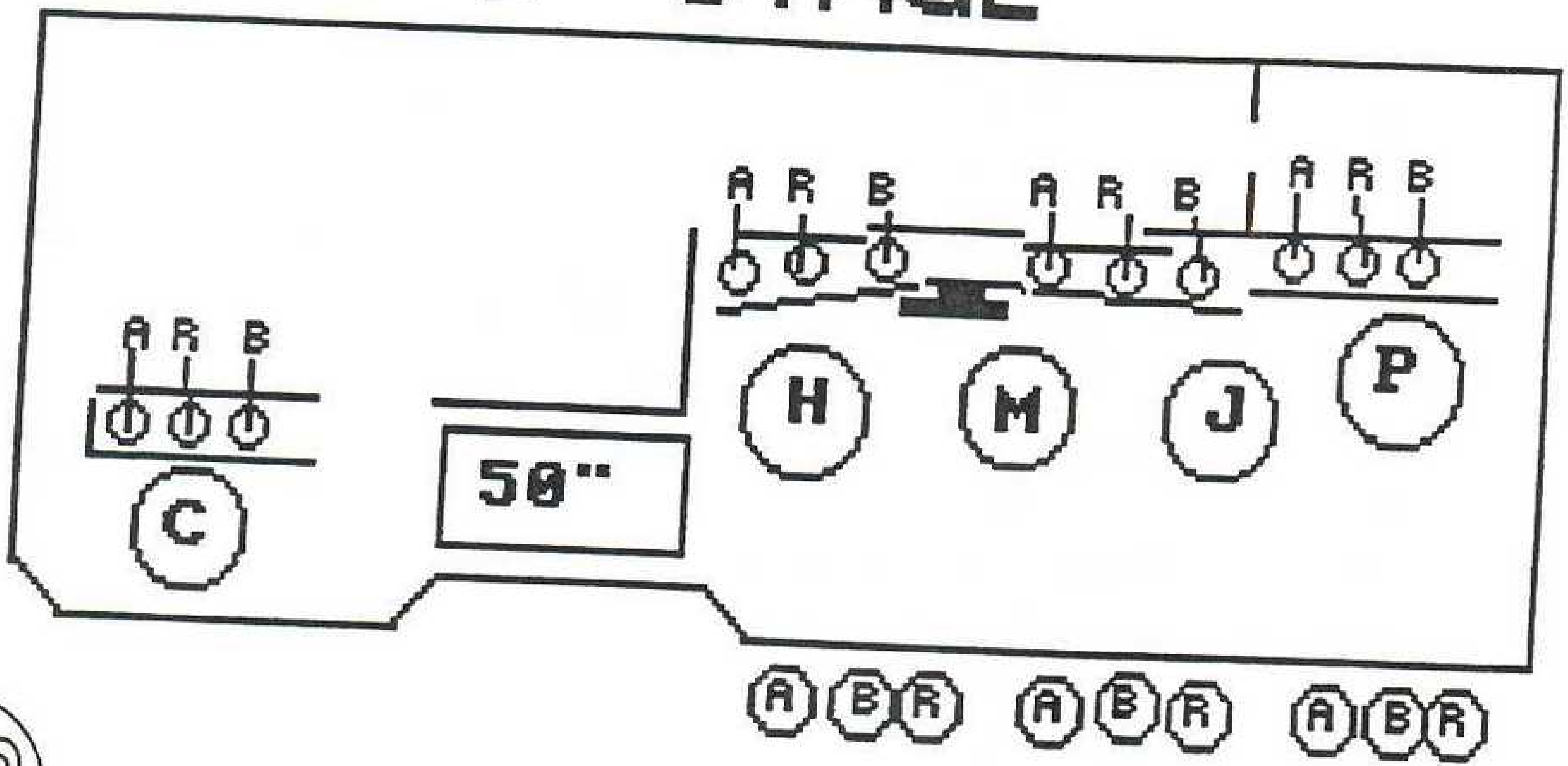


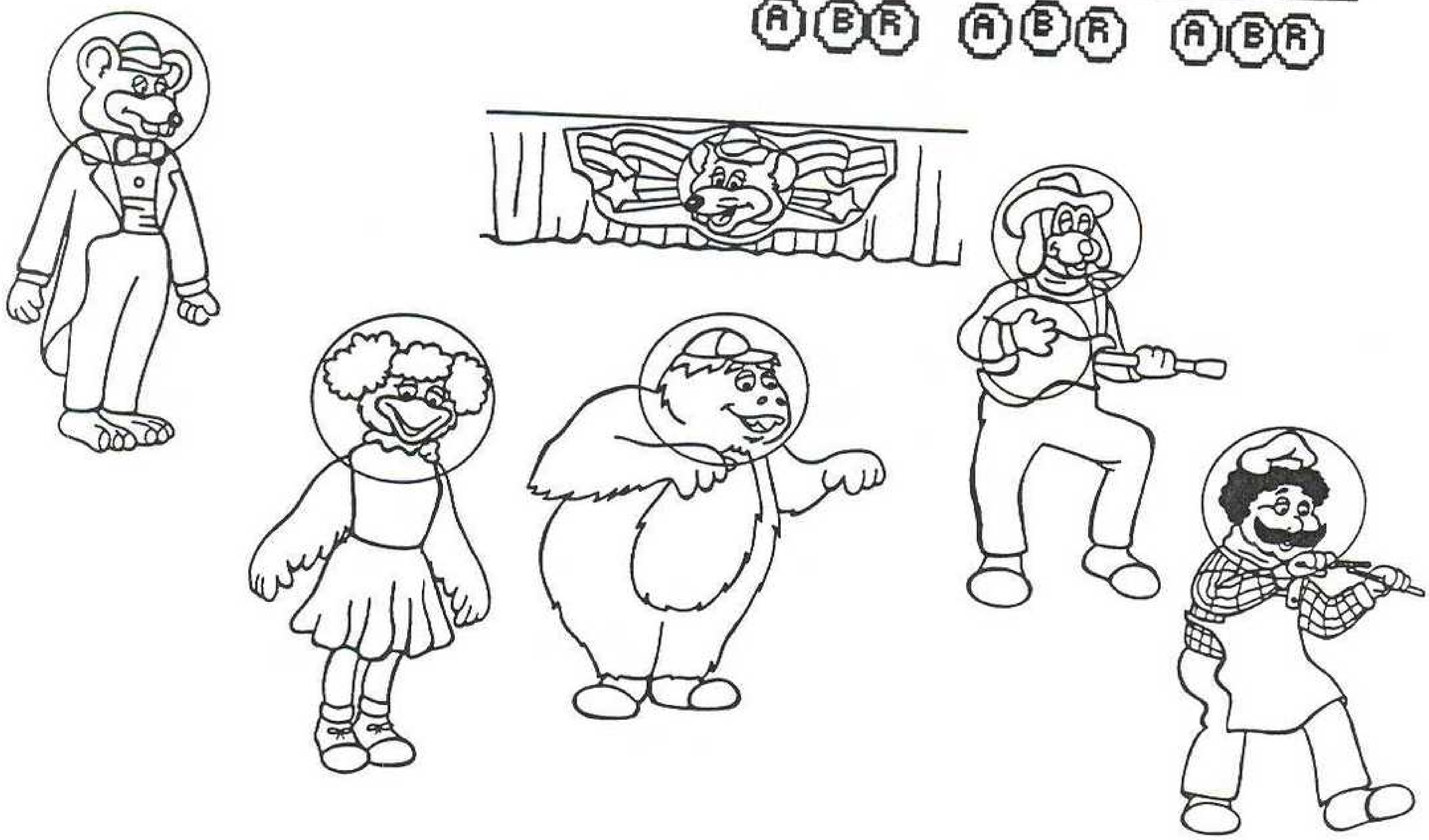
3.



#3 CEC Base Support
(Side View)

LIGHTING DETAIL
2 - STAGE





TWO STAGE LIGHTING CIRCUIT CHART

PB1

Circuit #	Function
1.	LIVE FLOOD
2.	FUTURE
3.	PASQ DRUM
4.	PASQ SPOT
5.	ORGAN LEG OUTER
6.	HELEN SPOT
7.	CHUCK E. STAR
8.	CHUCK E. SPOT
9.	CHUCK E. FIBER OPTIC
10.	ORGAN LEG MIDDLE
11.	JASPER SPOT
12.	ORGAN TOP #2
13.	MUNCH SPOT
14.	ORGAN TOP #1
15.	ORGAN LEG INNER
16.	FUTURE

PB2

Circuit #	Function
1	AMBER BACKDROP
2.	RED BACKDROP
3.	BLUE BACKDROP
4.	CEC AMBER BACKDROP
5.	AMBER OVERHEAD
6.	RED OVERHEAD
7.	BLUE OVERHEAD
8.	CEC RED BACKDROP
9.	FIBER OPTIC BACKDROP
10.	HELICOPTER
11.	WINK SPOT
12.	FUTURE
13.	FUTURE
14.	MUNCH SIGN
15.	CEC BLUE BACKDROP
16.	FUTURE

CHUCK E. CHEESE ROAD/2 STAGE ROSETTA

MARCH 17, 1992

	HEADER #1	HEADER #2	HEADER #3	HEADER #4	HEADER #5	HEADER #6	HEADER #7	HEADER #8	
TERMINAL #	CHUCK	JASPER	PASQUALLY	MUNCH	HELEN	A/V CONTROLL	FRONT LIGHTS	BACK LIGHTS	LED #
TB1, 1-2	MOUTH	MOUTH	MOUTH	MOUTH	MOUTH	AUDSEL 1	LIVE FLOOD	AMBER BKDROP	1
TB1, 3-4	HEAD L.	HEAD L.	HEAD L.	HEAD L.	HEAD L.	AUDSEL 2		RED BKDROP	2
TB1, 5-6	HEAD R.	HEAD R.	HEAD R.	HEAD R.	HEAD R.		PASQ DRUM	BLUE BKDROP	3
TB1, 7-8	HEAD UP	HEAD UP	HANDS	L ARM	HEAD UP		PASQ SPOT	AMBR BKDP CEC	4
TB1, 9-10	EYES R.	EYES R.	EYES R.	EYES R.	EYES R.		HEL BLDG/ORG LEG OUT	AMBER OVRHEAD	5
TB1, 11-12	EYELIDS	EYELIDS	EYELIDS	EYELIDS	EYELIDS		HELEN SPOT	RED OVRHEAD	6
TB1, 13-14	HAND	HAND	MUSTACHE	R. ARM	HAND		CHUCK STAR	BLUE OVRHEAD	7
TB1, 15-16	EYES L.	EYES L.	EYES L.	EYES L.	EYES L.	VID SEL1	CHUCK SPOT	RED BKDP CEC	8
TB2, 1-2	FLOWERS	CRTN OPN ONE	FLOWER SPOT		DIMMER	VIDSEL 2	CHUCK FIBER-OPTIC	FIBER OPTIC	9
TB2, 3-4	WINK	CRTN CLS ONE			USA FLAG		JASP BLDG/ORG LEG MID	HELICOPTER	10
TB2, 5-6		CRTN OPN CEC			CONF. FLAG		JASPER SPOT	WINK SPOT	11
TB2, 7-8	SCRN UP	CRTN CLS CEC			STATE FLAG		ORGAN FACE #2	MISC. SPOT 2	12
TB2, 9-10	SCRN DN	CRTN OPN MUN			CEC FLAG		MUNCH SPOT	JUKEBOX TOP	13
TB2, 11-12		CRTN CLS MUN	FLOWERS	FLOWERS	ITAL. FLAG		ORGAN FACE #1	MUNCH SIGN	14
TB2, 13-14							ORGAN LEG INNER	BLUE BKDRP CEC	15
TB2, 15-16									16

3.9 Install Helicopter Light to the spot light unistrut by using the mounting board (refer to the lighting chart) provided with Corman's prop package and spring nuts (use at least two (2) spring nuts) to hook up helicopter light. Place and secure other lighting as designated on blueprint.

3.10 Reattach control lines to dimmer and flags where applicable.

3.11 VCR the show and confirm with electricians, electrical and lighting installation changes are correct.

3.12 Test run show tape, adjust spots and aim floods.

3.13 Clean up.

Night 4 (10:00 p.m. - 10:00 a.m.) Entertainment for next day will be complete 2-Stage with curtains

4.1 You may want to temporarily remove valance to install the track and curtains then replace after completion.

4.2 TRACK INSTALLATION

1. Unpack track and hardware. Compare the contents with the packing list.
2. Examine drawing "A" and lay the track along the edge of the stage. It may overlap at the center, if your stage width is less than 20 feet.
3. Locate the track mounting brackets and install one every 36" along the top of the track.
4. Measure the amount of overlap at the center of the stage and mark the track for cutting, if necessary.
5. With the track properly positioned at the edge of the stage, use a plumb bob to locate the mounting brackets on the header board, and mark these positions.
6. Remove the brackets from the track and fasten them to the header board.
7. Using a hacksaw, cut the track at the required point. Install one of the splices on one half of the track. Raise the track up and securely fasten to the mounting brackets. Raise the second half up, and making sure you are in the splice, fasten it in the mounting brackets.

4.3 DRAW WORKS INSTALLATION

1. Insert one of the headblock plates in the top of the draw works. This part is adjustable to allow for differences in stage deck to header board.
2. Locate the draw works at the end of the track. Raise the headblock plate to the header board and make a mark on both sides of the draw works frame for drilling. (if your headblock plate does not reach the header board, build up the stage deck with wood until you are in the adjustment range of the unit. Lower the frame down and center punch your mark for drilling. Drill a 21/64" hole at the mark.
3. Again locate the draw works at the end of the track. Raise the headblock plate up and install two 5/16" bolts, with lock washers through the holes you just drilled.

4. Locate the entire frame square to the track, making sure that the track locating tab is inserted in the end of the track.

5. Using the lag bolts provided, fasten the draw works frame to the floor and the header board.

4.4 CORD INSTALLATION

1. Insert the two master carriers in the track and move them to the center splice. Following drawing "B", pass the cord over the headblock pulley. Lay the cord in the track and pull it around to the first master carrier.

2. Pass the cord through the master carrier referring to drawing "C".

3. Hold the cord stationary while moving the master carrier back to the draw works.

4. Pull the cord through the track to the end. Hold the cord stationary again, while moving the master carrier back to the draw works.

5. Refer to drawing "D" and pass the cord through the tailblock. Pull the cord back to the second master carrier at the center. Pass the cord through the second master carrier as you did the first.

6. You must again hold the cord stationary, and move BOTH master carriers to opposite ends of the track.

7. You should now have enough cord to reach the headblock at the draw works. Pass the cord over the headblock pulley (refer to drawing "B"). Move the master carriers again to allow enough slack in the cord to string it around the draw works pulleys.

8. You now should have both ends of the cord over the headblock pulleys, and be able to move the master carriers back and forth.

9. Refer to drawing "E". Take the cord nearest to the draw works frame and run it around the top pulley on the cylinder compound. Using the "U" bolt clamp provided, attach it to the turnbuckle at the top of the frame, placing the saddle on the cable that experiences the tension.

10. Pull the other end of the cord tight, adjusting the master carriers if necessary. Loop this end of the cord around the tensioner/idler at the bottom of the draw works, then back up around the bottom pulley on the cylinder compound. Loop the cord around the block at the bottom of the draw works and fasten with a "U" bolt clamp.

11. If you are installing the small stage, the cords follow the same direction, but terminate at the traveller.

12. Manually move the cylinder compound back and forth a few inches to make sure there are no binds anywhere. Adjust tension on the cord with the turnbuckle until the idler/tensioner is raised about 1/4" above its static position. Loop a wire tie through the burnbuckle to prevent if from unscrewing.

4.5 MASTER CARRIER ADJUSTMENT

1. By now you should be able to move the cylinder compound back and forth and see which way the master carriers are moving. Move the cylinder compound so that the carriers come together at the center of the stage. Adjust the cord through the master carriers until the cylinder is at the end of its stroke.

2. At this point, with the master carriers together, pull the cord over the locks on the master carriers. (See Drawing "C")

3. Now it's time to install the drapery carriers. Please refer to the chart at the end of this section for the proper number of carriers for each side. At the draw works, remove the track locate. The carriers may now be inserted. Reinstall track locate. On the tailblock there is a hinged gate that flips up. Open this gate and install the carriers.

4. Manually operate the cylinder from end to end and examine master carrier movement. If, when the carriers are in the full open position, there is still cylinder travel left, use the 1/2" threaded rod stop provided. Measure from the bottom of the cylinder compound to the floor, Cut the threaded rod 1" shorter than you measurement. Thread the rod into the stop block. Adjust the stop and recheck master carrier movement. Be sure to tighten the jam nut.

5. You want to make sure at this point that everything is as it should be. We are about to put air pressure to this device, and everything should be manually double checked before this is done. Operate the cylinder manually, end to end.

   5a. Do the master carriers meet properly in the center of the track?
   5b. Do the master carriers lightly stack all drapery hangers, without jamming them together.

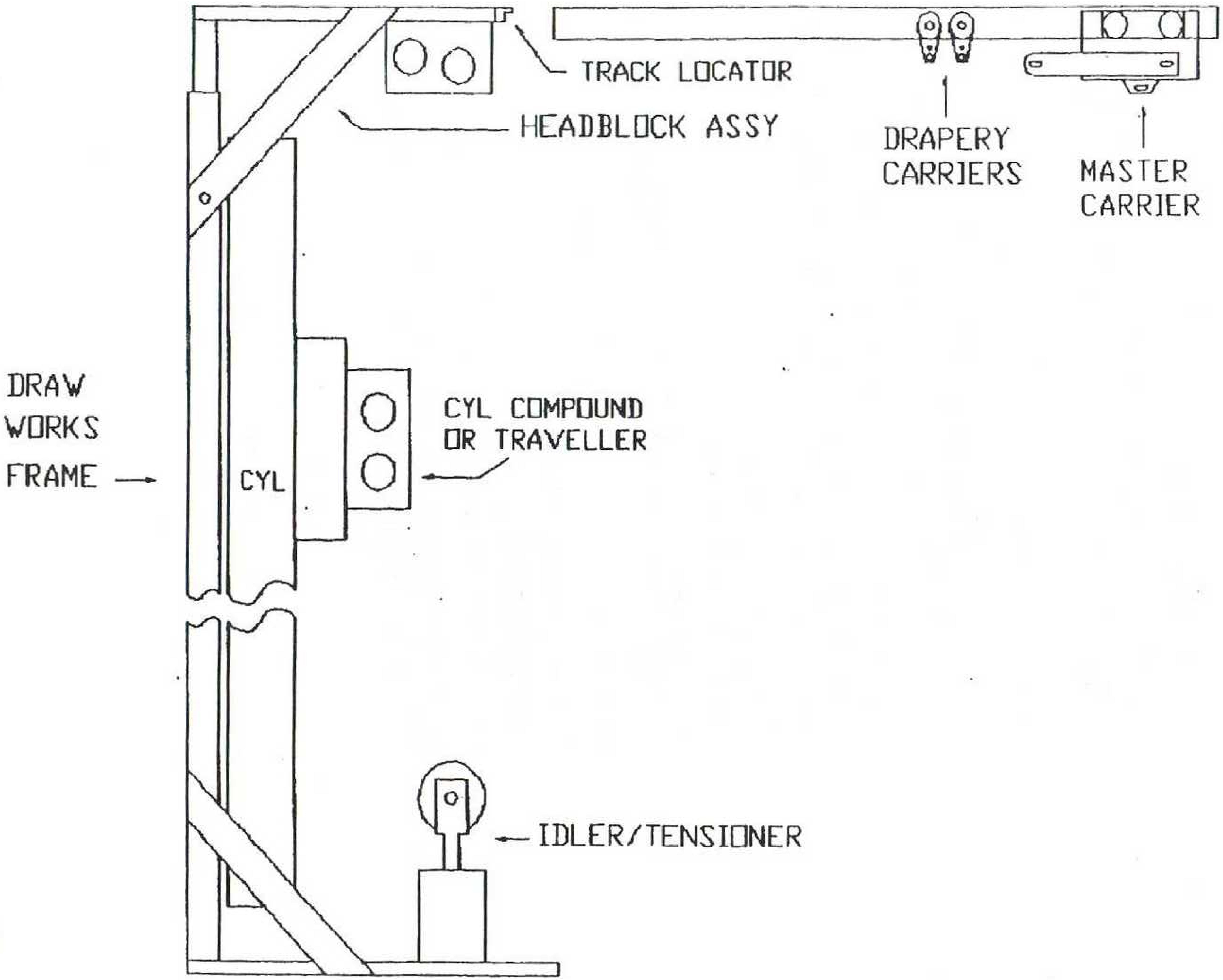
6. You MUST have a YES answer to both these questions before proceeding.

7. If your carriers are jamming recheck step 4.

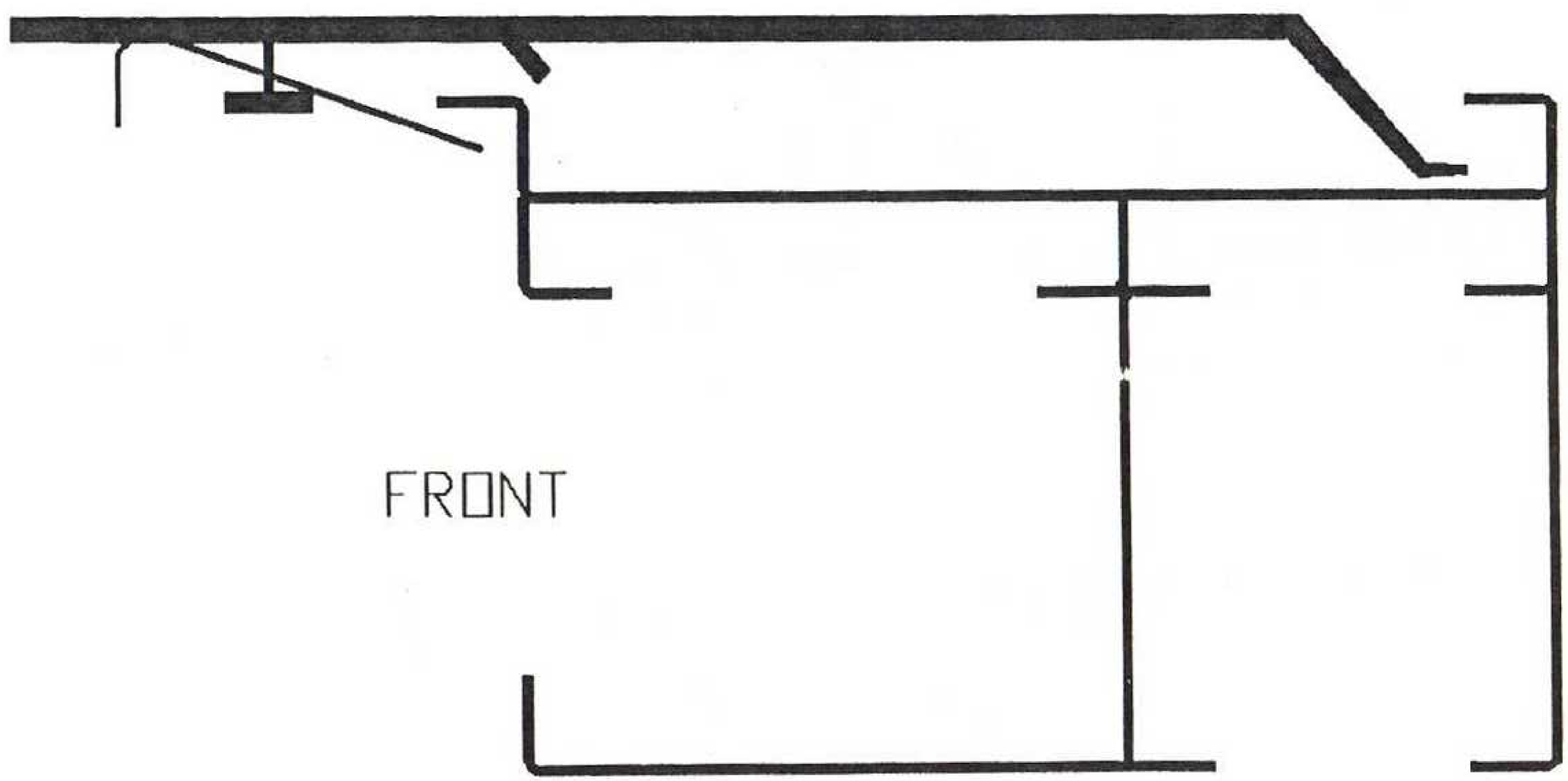
4.6 PLUMBING AND ELECTRICAL

1. Follow the directions that are supplied with the unit to install the plumbing.

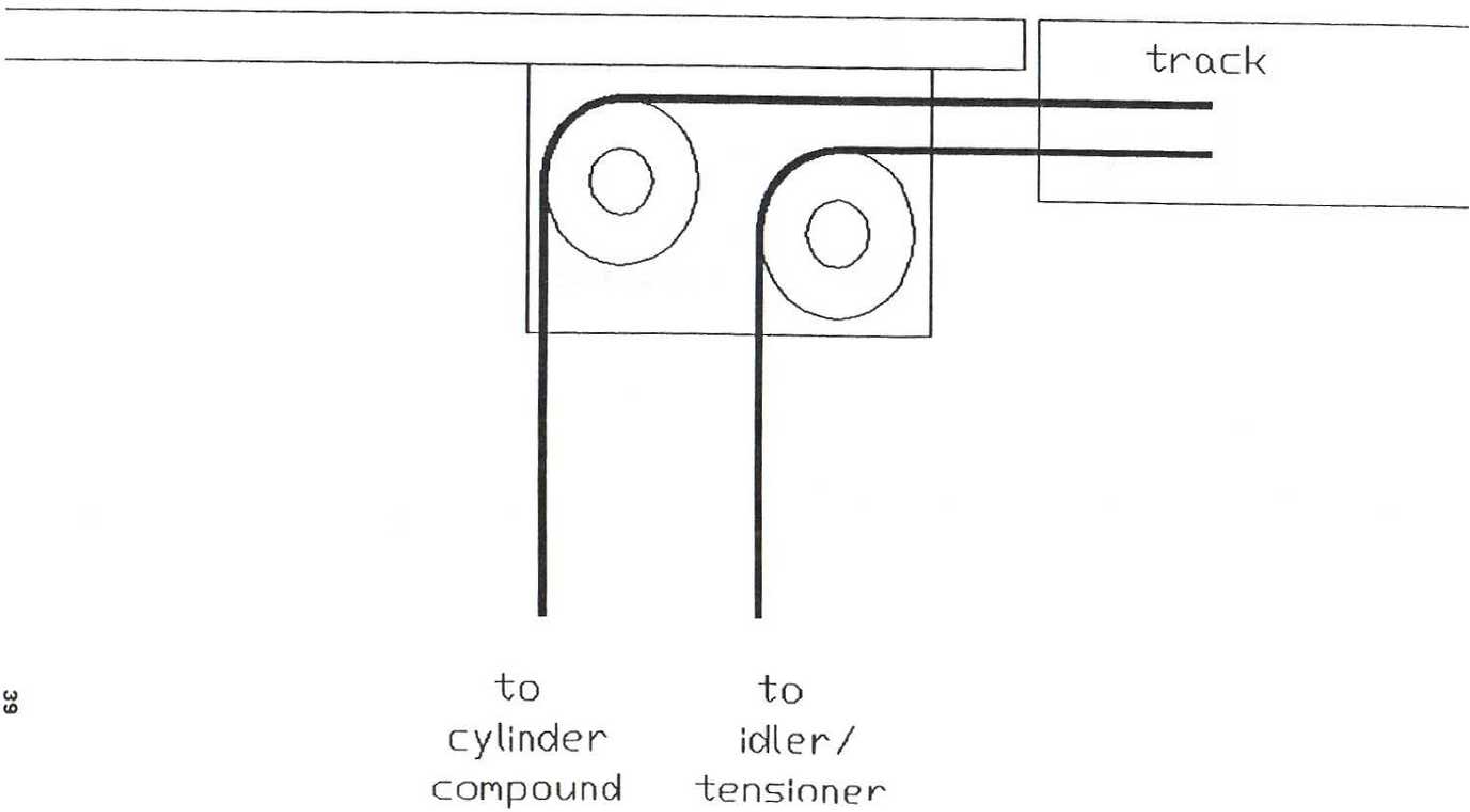
2. Remove the front cover on the control boxes. Fasten the box to the wall at a convenient location. Plug the electrical connectors on the valves. Follow the diagram in the lid of the box to attach your control wires.


TRACK LOCATOR
HEADBLOCK ASSY
DRAPERY CARRIERS
MASTER CARRIER
DRAW WORKS FRAME
CYL
CYL COMPOUND OR TRAVELLER
IDLER/TENSIONER

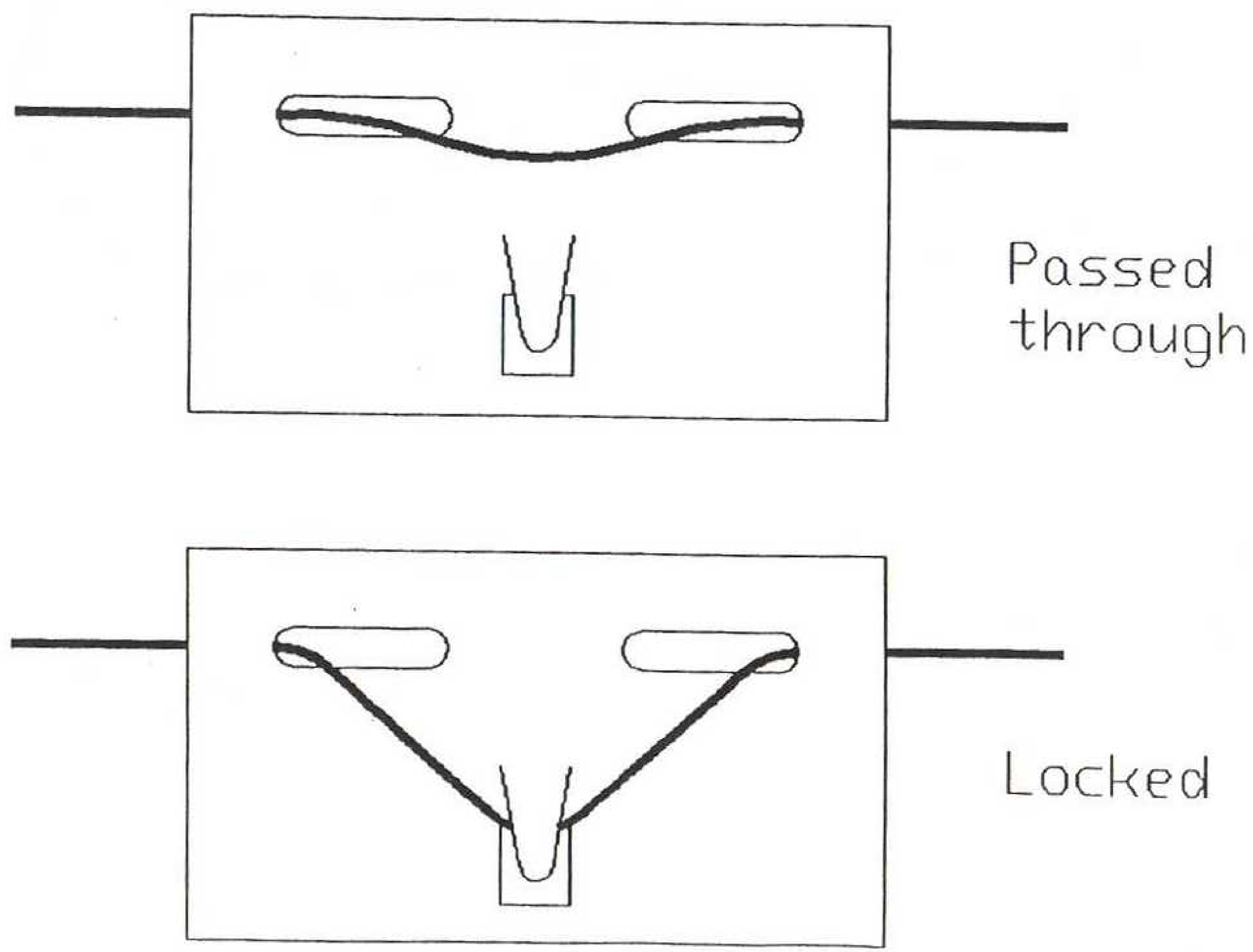
DRAWING A - Track and track mount



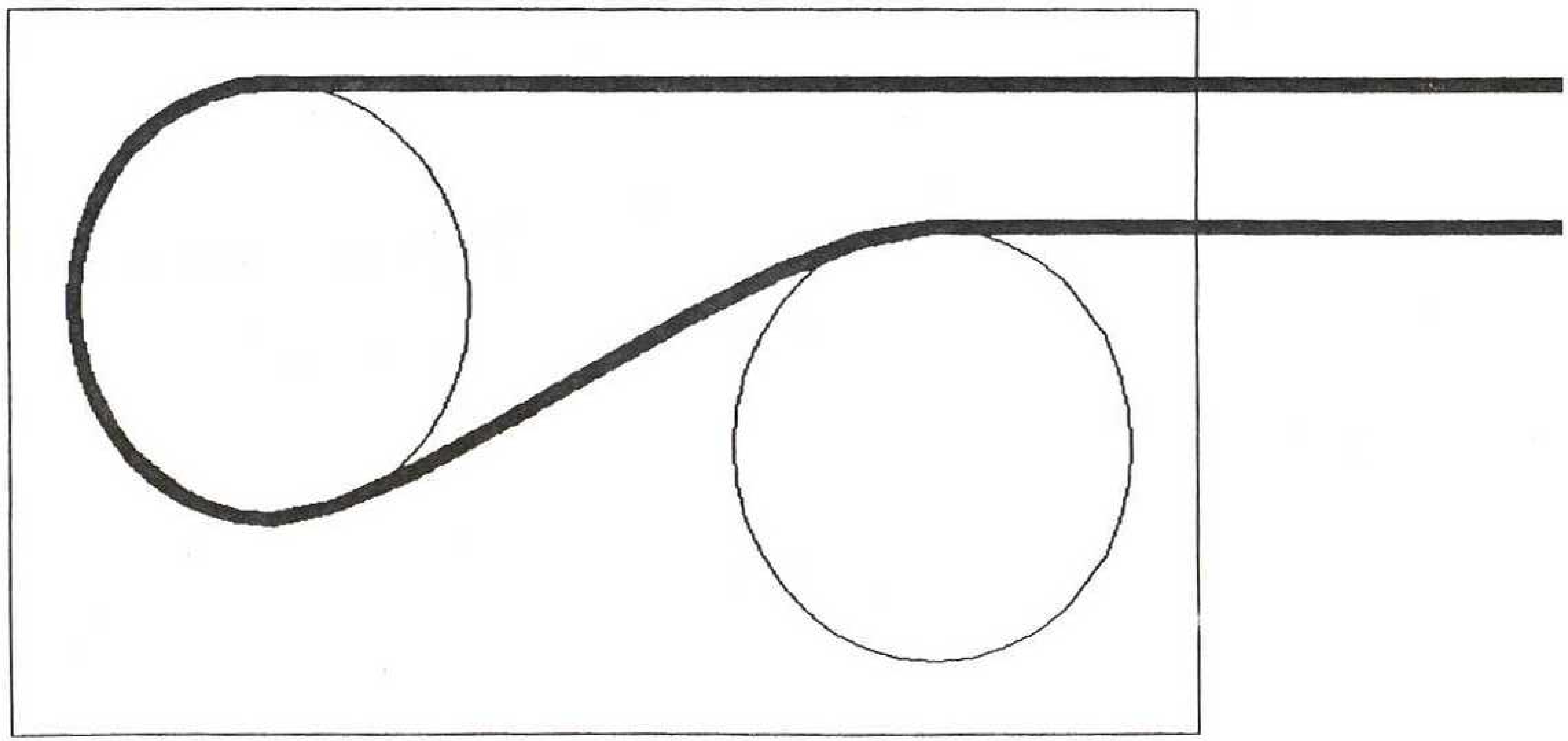
DRAWING B - Headblock



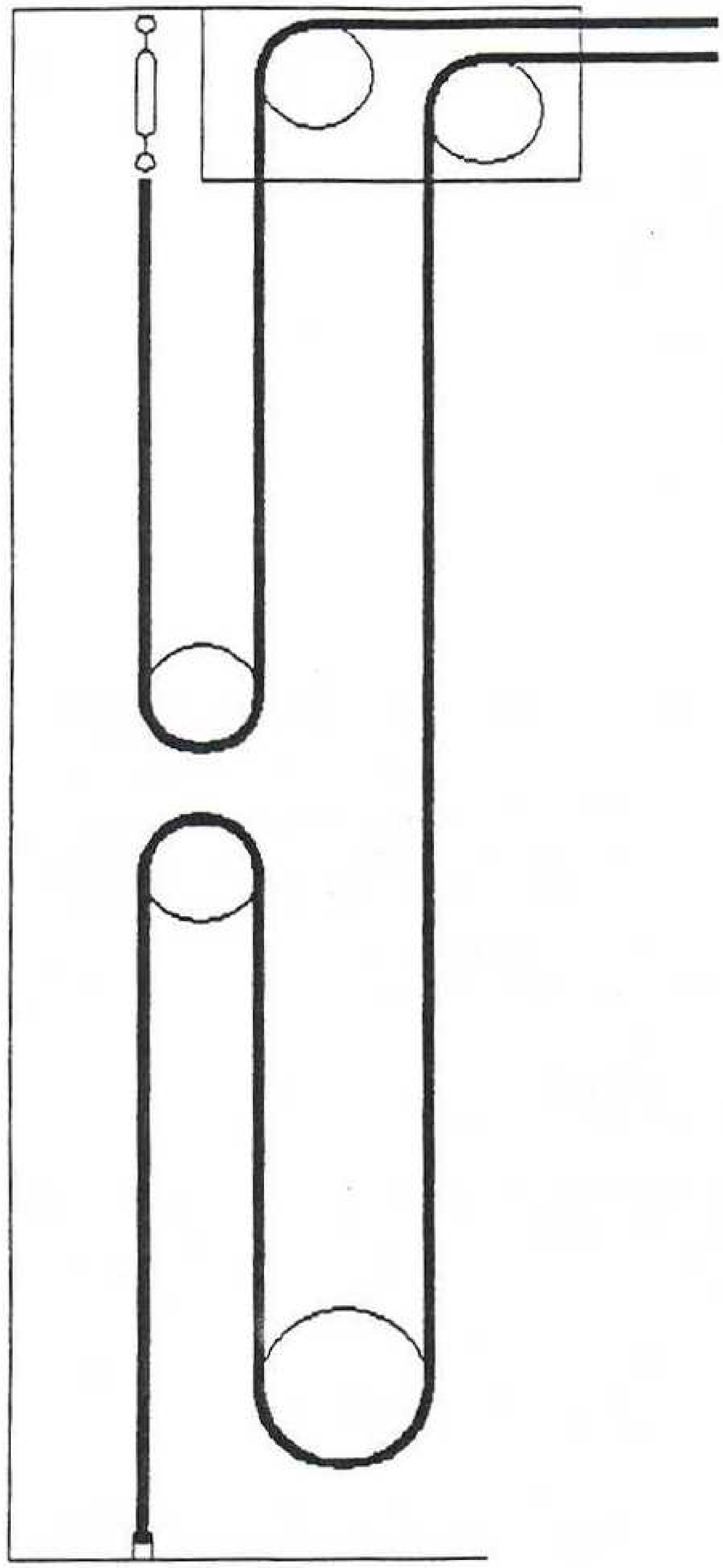
DRAWING C - Master Carrier



DRAWING D – TAILBLOCK CORD PATH

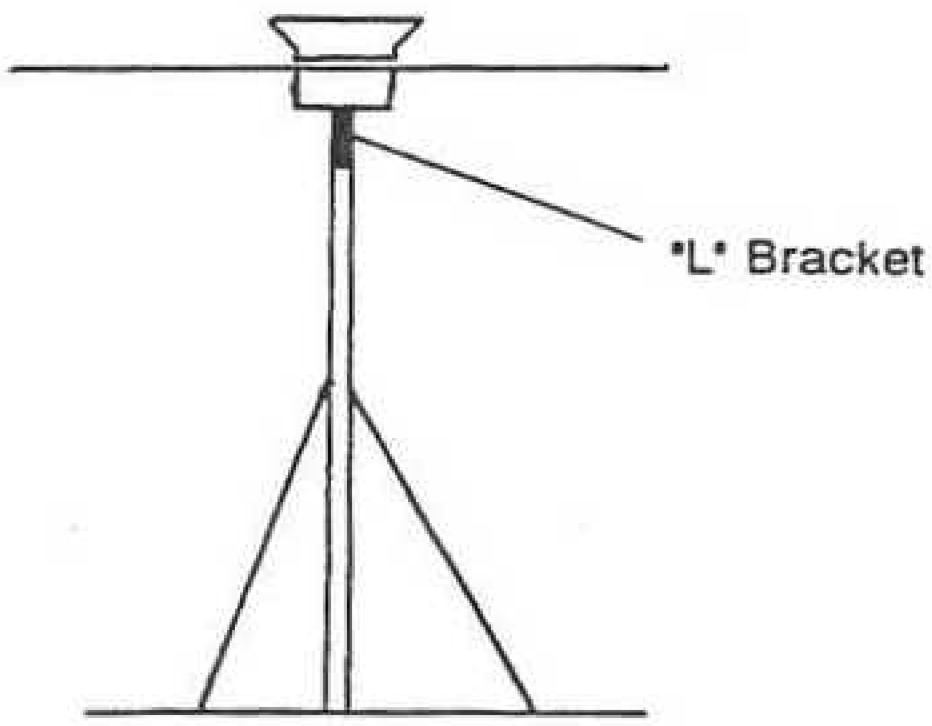


DRAWING E - COMPOUND CORD PATH

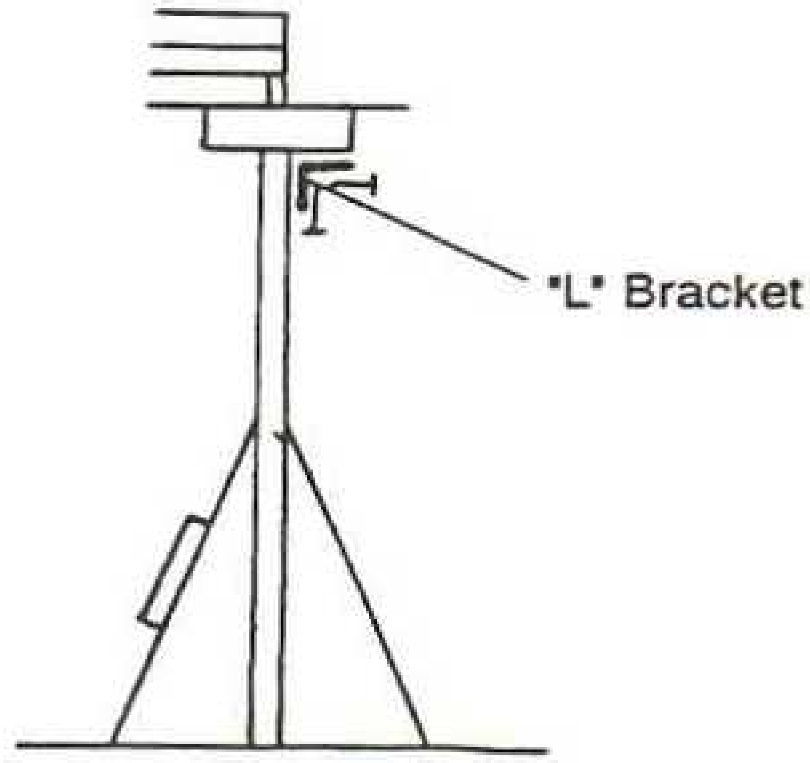


PRE-INSTALLATION: This is a good time to replace any rusted hands, bad eye balls, eye lashes or anything else that is in bad shape. The cosmetic hands of Pasqually, Jasper and Munch are retained so check to see that they are in good shape. New cosmetics are going on except the heads of all but Helen's head, so a good cleaning with "Simple Green" to make them like new is recommended.

MUNCH & PASQUALLY SHOULDER MOVEMENTS: Will need to be secured in place. Remove the shoulder stop pin or stop plates. Bolt a 1 1/2" "L" bracket to the front of the base support. With the shoulder set to straight front, mark and drill a hole. Bolt the shoulder to the "L" bracket.



Front View



Side View

With the shoulder stop removed, the head will still move with full freedom, but the shoulder and arms will stay to the front.

CEC'S CONTROL ROOM: If your control room is being removed, then place your audio/control rack in CEC's control room before securing the walls to the floor. Use "L" brackets on the base of CEC's control room to give it stability (about 3 or 4 "L" brackets) on side away from door.

PASQUALLY'S CONTROL ROOM: A door was designed to go to the outside edge of the stage behind the brick wall. If you have an enclosed wall there, swap the two walls behind the brick wall to put the door on the inside wall.

MUNCH ORGAN: Secure to floor with "L" brackets. Drill a hole to run the organ extension cords under the platform and back up behind the buildings. Secure the speaker grill to the organ with "L" brackets or similar.

CEC & WINK CONTROL: Behind CEC's right leg a 1" to 1 1/4" hole is needed to run his 1/8" air line and control cable up from under the platform. Another 1/8" air will be run from his base support area down under the platform, up the back wall and above the ceiling over to center valance where the wink will be installed. Bring the air through the ceiling behind the valance then to the wink. (See wink installation.)

50" MONITOR: The monitor may be laid carefully on its side to remove the casters, then lifted in place. Monitor should be plugged into a line outlet and turned on to video 1. Run the video cable from video 1 of the A/V switches to the video 1 input of the monitor

JUKE BOX COVER FOR 50" MONITOR: Due to some monitor designs, the juke box side walls may not fit correctly around the sides of the monitor (some trim has been increased in size). To compensate for this, it may be necessary to move the hinges out about 1/2" on each side.

BODY SHELLS: Mount the front shell front holes to the front holes where the shoulder rings attached with #10/32 screws. The back holes cannot be used with Munch and Pasqually because they are being used for the arm modifications. The others will probably need to be redrilled to line up.

MIC'S HELD BY CEC & HELEN: If the mic tries to sag even with the three fingers rapped around it, try putting a tie rap around the mic and thumb as denoted in hand picture on CEC page.

HAT FOR MUNCH & JASPER: Be sure to use the top of head velcro strip (now under hat) when putting the back of the head on; otherwise, the head may separate (an ugly thing to happen in front of the kids).

PASQUALLY'S DRUM STICKS: To mount them so they do not come off, cut a slit in each side of the first and last finger and push the drum stick through, passing below the middle two fingers (see hand picture on Pasqually's page). Then bend the fingers down around the stick.

PASQUALLY'S BASE DRUM: A disk from Corman will need to be placed on the front of the base drum and a light with 75W reflective bulb put in the drum. If the drum face has lettering on it, it will show through when the light comes on. Move the back drum skin to the front, attach and hot glue or silicone to drum skin. If you have an adhesive drum swirl peel off the back and apply

OVERHEAD LIGHTS: Aim them over the character's heads at the buildings in back.

HINTS FOR UNDER STAGE:

1. Buy and use a creeper for getting around the platform.

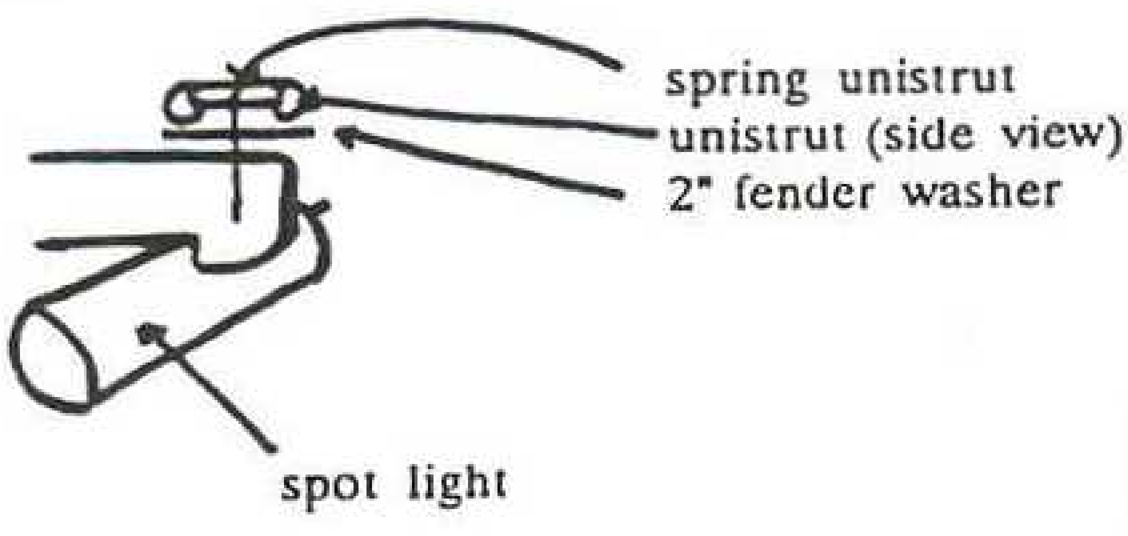
2. Have all holes drilled behind each character to bring up ribbon cables and air lines, in the pipe holes for CEC, Helen and Munch. Also holes drilled to bring the air lines back up to the air manifold, and a hole to bring control ribbon cables back to the audio/control rack. Have the ribbon cables, air lines and nuts and bolts to tighten down each character before going under stage; that way you can do it all at once with one person above and one below.

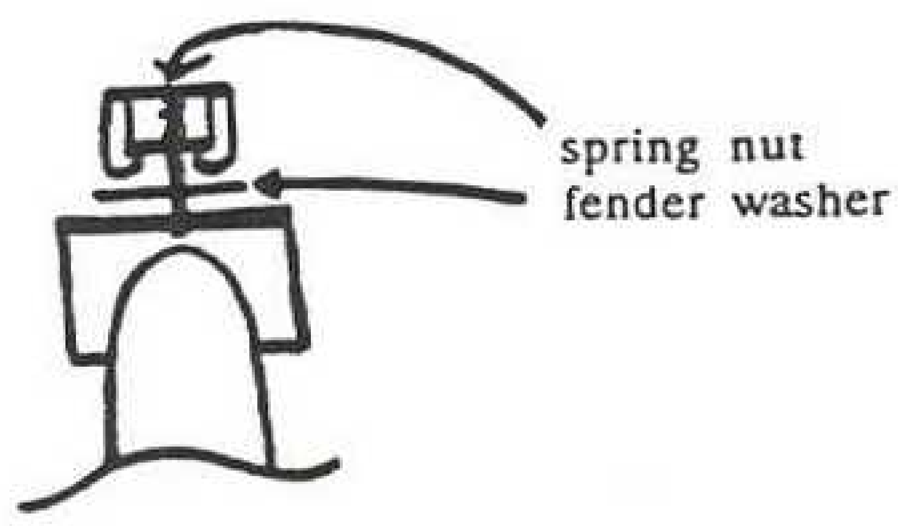
   HINT - Put one lag bolt in leg of CEC, Helen and Munch until you can go under to bolt them properly (bolt all the way through with washers - lag bolts will not be enough). Lag bolts will be sufficient for Jasper's and Pasqually's legs.

3. Run the organ power cords under the platform and back up to the plugs behind the buildings.

4. Hang all air lines and cables neatly from the rafters - DO NOT LAY THEM ON THE FLOOR. Recommend using cable tie holders with a wood screw on the rafters under the platform.

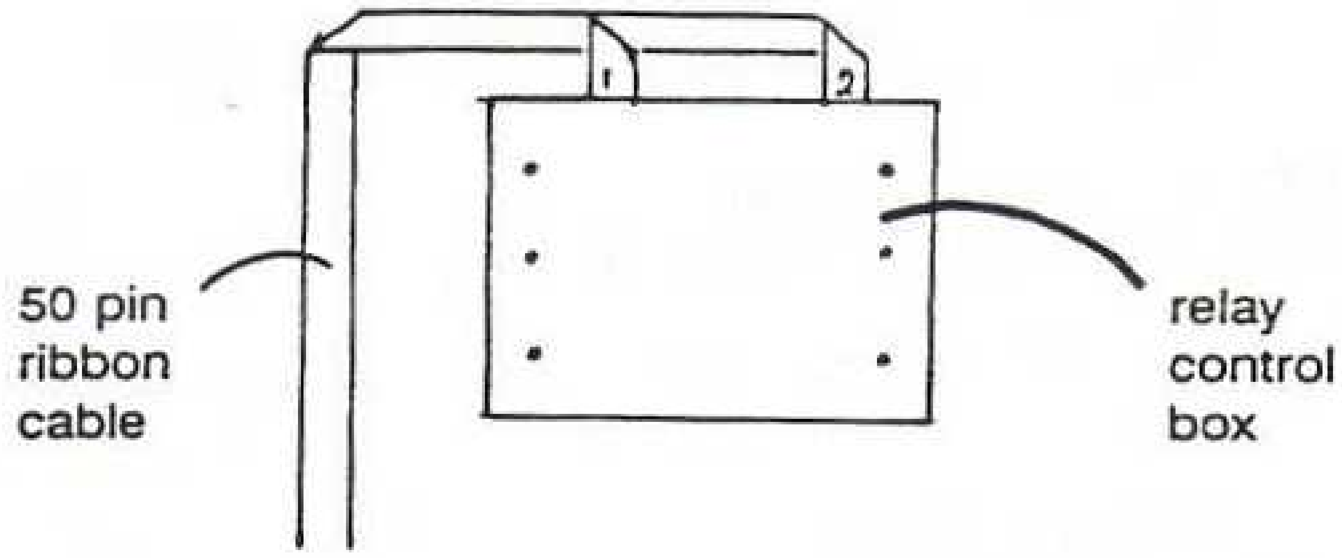
INSTALLING THE SPOT LIGHTS AND & 2 CEC LIVE FLOOD LIGHTS: When installing these to the unistrut be sure to use a 2" fender washer between it and the unistrut.





can flood for CEC Live

WHEN RUNNING 50 PIN RIBBON CABLE UP AND ALONG THE WALL TO THE LIGHT RELAY CONTROL BOX use double face tape to help hold it there.



Run two lines of double face tape (side by side) where you will be running the 50 pin cable to the box. Stick and staple the double face tape to the wall then pull the paper off. Run one line along the tape. Then stick another two lines of double face on top of the first 50 pin ribbon. Now stick the second line on it. You can get a large roll of double face tape from WICO (order early). There will be a run on this stuff.

RACK: This will be a good opportunity to clean (neaten) up all the cables behind the rack and label all wires. A QUALITY NEAT JOB WILL PAY OFF IN THE FUTURE.

FLAME PROOF INFORMATION

VENDOR	DESCRIPTION
Corman & Associates Props	CEC Control Room Buildings Pasqually's Room
Central Florida Rod & Drapery	Theatrical Drapes
Cowan Costumes	Cosmetics
Fibertech	Fiberoptic Curtain
Diversified Designs	Organ Cheese Guitar Wink Drimskin
Nationwide Carpet	Grey Stage Carpet
Snap Drape	Valance

United States Testing Company, Inc.
Engineering Services Division
291 FAIRFIELD AVENUE • FAIRFIELD, NEW JERSEY 07006 • 201-575-5252

REPORT OF TEST

95896

NUMBER

April 20, 1987

CLIENT: David Sloan Creations, Inc.
Building #10
Hook Creek Industrial Park
Valley Stream, NY 11581

SUBJECT: Surface Burning Characteristics of Building Materials

REFERENCE:

David Sloan Creations, Inc., Purchase Order No. 2608 dated April 3, 1987.

TEST PERFORMED:

The submitted sample was tested for Flammability in accordance with the procedures outlined in ASTM E-84-84a.

SAMPLE IDENTIFICATION:

One (1) sample of plastic sheet material was submitted and identified by the Client as:

Mira Plastic Material

Testing Supervised by:

Steve Caldarola, Supervisor
Fire Technology Section

SIGNED FOR THE COMPANY
BY
John Lomash
Assistant Vice President

INTRODUCTION:

This report presents test results of Flame Spread and Smoke Developed Values per ASTM E-84-84a. The report also includes Material Identification, Method of Preparation, Mounting and Conditioning of the specimens.

The tests were performed in accordance with the specifications set forth in ASTM E-84-84a, "Standard Test Method for Surface Burning Characteristics of Building Materials", both as to equipment and test procedure. This test procedure is similar to UL-723, ANSI No. 2.5, NFPA No. 255 and UBC 42-1.

The test results cover two parameters: Flame Spread and Smoke Developed Values during a 10-minute fire exposure. Inorganic cement board and red oak flooring are used as comparative standards and their responses are assigned arbitrary values of 0 and 100, respectively.

The performance of each material is evaluated in relation to the performance of inorganic cement board and red oak flooring under similar fire exposure.

PREPARATION AND CONDITIONING:

One (1) 24" x 24'0" sample was laid on a 2-inch galvanized hexagonal wire mesh supported by steel rods spanning the width of the tunnel. The material was tested at a thickness of 0.001 inches.

The sample was conditioned at 73° ± 5°F and 50 ± 5 percent relative humidity.

TEST PROCEDURE:

The tunnel was thoroughly pre-heated by burning natural gas. When the brick temperature, sensed by a floor thermocouple, had reached the prescribed 105°F ± 5°F level, the sample was inserted in the tunnel and test conducted in accordance with the standard ASTM E-84-84a procedures.

The operation of the tunnel was checked by performing a 10-minute test with inorganic board on the day of the test.

TEST RESULTS:

The test results, calculated in accordance with ASTM E-84-84a for Flame Spread and Smoke Developed Values are as follows:

Test Specimen:	Mira Plastic
Flame Spread Index*:	0
Smoke Developed Value*:	30

*Graphs of the Flame Spread, Smoke Developed and Time-Temperature are shown in Figures 1, 2 and 3 at the end of this report.

OBSERVATIONS:

Ignition was noted at 2 seconds along with charring, shrinking and melting of the specimen directly exposed to the flame. Also observed were drippings and flaming drippings. There was no flamefront advancement. Neither afterflame nor afterglow were evident upon test completion.

41

CORMAN & ASSOCIATES INC.

STAGE PROPS

Showbiz Pizza 2 Stage Roll-out

Corman and Associates, Inc. treats the natural fibre substrate of all products, created for Showbiz Pizza Time, Inc., with **nochar's Fire Preventer™**.

nochar's Fire Preventer™ is a non-toxic, non hazardous, bio-degradable flame retardant that effectively passed numerous tests in government and private testing labs.

At the present time, Corman and Associates, Inc. is the only display firm that is approved and licensed to apply the **nochar's Fire Preventer™** product.

nochar TESTS AND RESULTS

LABORATORY	TYPE	APPLICATION METHOD	TEST NUMBER	MATERIAL TESTED	RESULTS
HPMA	ASTM E 84	Spray On	T-4799	Spruce 2" x 4"	Passed Class B
HPMA	ASTM E 84	Spray On	T-4806	¼ Lauan Plywood	Passed Class B
HPMA	ASTM E 84	Spray On	T-4767	Southern Pine Plywood	Passed Class C
HPMA	ASTM E 84	Spray On	T-4805	¾ Red Oak Lumber	Passed Class C
HPMA	ASTM E 84	Spray On	T-7258	20 lb Computer Bond Paper	Passed Class A
HPMA	ASTM E 84	Spray On	T-7167	½ Pine Shakes	Passed Class B
HPMA	ASTM E 84	Chamber Treated	Jan 90	½ Plywood	Passed Class A
HPMA	ASTM E 84	Chamber Treated	Jan 90	Spruce 2" x 4"	Passed Class A
U S Testing Labs	ASTM E 84	Spray On	178375	¾ Douglas fir Flooring	Passed Class B
	Motor Vehicle Safety Standard DOT No. 302			Cotton & Poly Blend Curtains	Passed

TOXICITY TEST

Laboratory: Northview Pacific Laboratories, Inc.

Type of Test. Oral, Dermal, Skin, Eye toxicity test

Test Report Number XSJ0560

Result. Passed. product satisfied the requirements of the EPA, FIFRA guidelines, Pesticide Assessment guidelines, Subsection F

Hazard Evaluation: Human and Domestic animals, 40 CFR, Part 158, October 1982

881 FLOYD DRIVE
LEXINGTON, KENTUCKY 40505

FIXTURES

DISPLAYS

TELEPHONE AC 606
254-1880 or 233-0544

EXHIBITS

H.P.M.A. = Hardwood Plywood Manufacturers Association

TESTS AND RESULTS

LABORATORY	TYPE	TEST NUMBER	MATERIAL TESTED	RESULT
H.P.M.A.	ASTM E-84	T-6601	Bedding Straw	Passed class A
H.P.M.A.	ASTM E-648	FRP-302	Bedding Straw	Passed 1.0
H.P.M.A.	ASTM E-84	T-6769	Spruce 2"X4"	Passed class B
H.P.M.A.	ASTM E-84	T-6806	3/8 Lauan Plywood	Passed class B
H.P.M.A.	ASTM E-84	T-6767	Southern Pine Plywood	Passed class C
H.P.M.A.	ASTM E-84	T-6805	3/4 Red Oak Lumber	Passed class C
H.P.M.A.	ASTM E-84	T-7259	20 lb. Computer Bond Paper	Passed class A
H.P.M.A.	ASTM E-84	T-7187	1/2" Pine Shakes	Passed class B
U.S. Testing Labs	ASTM E-84	178375	3/4 Douglas Fir Flooring	Passed class B
-------	Motor Vehicle Safety Standard	DOT. NO. 302	Cotton & Poly Blend Curtains	Passed

TOXICITY TEST

Laboratory: Northview Pacific Laboratories, Inc.

Type of Test: Oral, Dermal, Skin, Eye toxicity test

Test Report Number: X5J056G

Result: Passed; product satisfied the requirements of the EPA, FIFRA guidelines, Pesticide Assessment guidelines, Subsection F
Hazard Evaluation: Human and Domestic animals; 40 CFR; Part 158, October 1982.

United States Testing Company, Inc.
Engineering Services Division
291 FAIRFIELD AVENUE • FAIRFIELD, NEW JERSEY 07006 • 201-575-5252

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Flame Spread Index*:	0
Smoke Developed Value*:	30

*Graphs of the Flame Spread, Smoke Developed and Time-Temperature are shown in Figures 1, 2 and 3 at the end of this report.

OBSERVATIONS:

Ignition was noted at 2 seconds along with charring, shrinking and melting of the specimen directly exposed to the flame. Also observed were drippings and flaming drippings. There was no flamefront advancement. Neither afterflame nor afterglow were evident upon test completion.

NFPA 701 SMALL SCALE TEST FOR CURTAINS & DRAPERIES (under 10 oz/sq yd) V

The Govmark Organization, Inc.
P.O. Box 807
Bellmore, New York 11710
Tel: 516-293-8944

COMPANY SUBMITTING SAMPLES

CENTRAL FLORIDA ROD & DRAPERY, INC.
132 W. ROBINSON ST.
P.O. BOX 3351
ORLANDO, FLORIDA 32802

IENT'S IDENTIFICATION: JUNO FLAX

TE SAMPLES RECEIVED: 2/23/90 TEST REPORT #: 90094

ST PERFORMED: NFPA 701 Small Scale Test for Curtains & Draperies Weighing Less than 10 oz./sq.yd.

GOVMARK TEST RESULTS

Specimen #	After Flame Seconds	Flaming Drip Seconds	Char Length Inches
1	0	0	4.0
2	0	0	3.9
3	0	0	3.8
4	0	0	3.4
5	0	0	3.1
6	0	0	4.0
7	0	0	4.2
8	0	0	4.0
9	0	0	4.5
10	0	0	4.2
	Average:	0	Average: 3.9

MARKS:

QUIREMENTS:

After Flame Seconds Max.Avg. - Max.Ind.	Flaming Drip Seconds Max.Avg. - Max.Ind.	Char Length Inches Max.Avg. - Max.Ind.
Not specified - Not specified	2.0 - Not specified	6.5 - 7.5 *

Five specimens may be retested, if only one specimen exceeds 7.5".

NCLUSION: Complies with the stated requirements.

certify that the above results were obtained after testing specimens in accordance with the ocedures and equipment specified by NFPA 701 Small Scale Test for Curtains & Draperies 1989 ition.

E TESTING COMPLETED 3/5/90

SIGNATURE OF TEST SUPERVISOR
THE GOVMARK ORGANIZATION INC

cc: David Thompson, Doran Textiles

MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME OR NUMBER (as it appears on label): NO-FLAME

GM COMMON CODE:

MANUFACTURER'S NAME:
AMALGAMATED CHEMICAL, INC.
32300 NORTHWESTERN HIGHWAY SUITE 230
FARMINGTON HILLS, MICHIGAN 48334

EMERGENCY TELEPHONE NO.: (313) 737-5560

...CLASS, HAZARD ID NO. (49 CFR 172.101):

ADDITIONAL HAZARD CLASSES (as applicable):

CHEMICAL FAMILY:

FORMULA:

SECTION II — INGREDIENTS (list all ingredients)

CAS REGISTRY NO.	%W	%V	CHEMICAL NAME(S)	Listed as a Carcinogen in NTP, IARC or OSHA 1910(z) (specify)
			ADDITIVES-INORGANIC SALTS	
7783-20-2			AMMONIUM SULPHATE	
7783-28-0			DIAMMONIUM PHOSPHATE	
N.A.			LEMON OIL	
67-63-0			ISOPROPANOL 90%	
68424-92-2			SURFACTANT	

SECTION III — PHYSICAL DATA

BOILING POINT 212 °F 100 °C		SPECIFIC GRAVITY (H_2O - 1)	1.08		
VAPOR PRESSURE 70 °F °C [X] mm Hg [ ] psi		PERCENT VOLATILE BY VOLUME (%)	75%	PERCENT SOLID BY WEIGHT (%)	33%
VAPOR DENSITY (AIR - 1)	1.1	EVAPORATION RATE (- 1)	1		
SOLUBILITY IN WATER	100%	pH	5.6		

APPEARANCE AND ODOR: CLEAR COLORLESS SOLUTION WITH SLIGHT PINE OR LEMON ODOR

IS MATERIAL: LIQUID X SOLID GAS PASTE POWDER

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLASH POINT NONE °F °C method used T.C.C.

FLAMMABLE LIMITS: NONE LEL NONE UEL

EXTINGUISHING MEDIA: CO_2, WATER, FOG, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: NONE. MATERIAL IS NON-FLAMMABLE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE
EXCESSIVE HEAT: CONTAINERS MAY GENERATE PRESSURE

PRIMARY ROUTES OF ENTRY Inhalation [ ] Skin Contact [X] Other (specify)	
EMERGENCY AND FIRST AID PROCEDURES	Skin & Eye Contact - Flush W/water. Inhalation - Remove to fresh air.

SECTION VI-REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	None Known
INCOMPATIBILITY (materials to avoid)	Strong acids, strong bases, oxidizers		
HAZARDOUS DECOMPOSITION PRODUCTS:	various inorganic vapors		
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	None Known

SECTION VII-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Dilute with water - Soak up on absorbent material.
WASTE DISPOSAL METHOD	In accordance with applicable Local, State, & Federal Regulations.
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs)	N.D.
RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)	N.D.
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water)	Less than 1%
[X] Theoretical 9.0 lb/gal	[X] Analytical 8.95 lb/gal

SECTION VIII-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)	If spraying - MSA approved respirator with inorganic vapor cartridge.		
VENTILATION	LOCAL EXHAUST (Specify Rate) Normally not required.	SPECIAL	No
	MECHANICAL (General) (Specify Rate) N.A.	OTHER	--------
PROTECTIVE GLOVES (specify type)	Neoprene	EYE PROTECTION (specify type)	Chemical Resistant ~~Goggles or Glasses~~
OTHER PROTECTIVE EQUIPMENT	Not normally required.		

SECTION IX-SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Store in a cool dry area. Store only in stainless steel tanks or plastic containers.
OTHER PRECAUTIONS	Wash hands after handling and before eating or smoking.

Seller agrees not to assert any claim (other than a claim for a patent infringement) against General Motors Corporation for any use or disclosure of any technical data or information disclosed in connection with this questionnaire.

PLEASE COMPLETE QUESTIONNAIRE AND RETURN TO:	Name (print)	THOMAS DANN
	Signature	[signature]
	Title	TECH. DIRECTOR
	Date	8/23/90

FIRE-SAFETY: WHAT LIES AHEAD?

THE NATURE OF FIRE

Statistics just revealed by the National Fire Protection Association (NFPA) reveal 7,780 civilian deaths from fire in 1989, and property damage totaling $5.75 billion. Residential fires accounted for a large majority of these fire deaths.

Only 141,000 of the one million fires in 1989 were non-residential, and these resulted in 6.2 percent of the deaths and approximately a quarter ($1.457 billion) of the property damage. In 1988, fatalities in U.S. highrise office buildings were less than 3 percent of the 8,100 lives lost in all building fires.

However, recent hotel and office building fires have been haunting reminders that a single fire can kill hundreds and cost millions of dollars in damage. Over the past eight months, major fire disasters in four hotels, one office building, two nursing homes and a boarding house have resulted in 162 deaths and more than 500 injuries.

INTRODUCTION

As public awareness increases and government legislation tightens, the demands for fire prevention by means of flame-retarding products is increasing.

Millions of dollars worth of insurance premiums are calculated on the basis of fire risk. Fires can be crippling in their consequence; both in the destruction of buildings, irreplaceable items and records, and even more tragically, in the loss of precious lives.

Amalgamated Chemical's "No-Flame" are chemical products which actually render a wide range of flammable materials incapable of being set on fire.

PRODUCT RANGE

"No-Flame" is available in a variety of solutions and can be applied by spraying, brushing, dipping or vacuum impregnation. A wide range of construction and decorative materials, furnishings, drapes, carpets, ceiling tiles, wall coverings, paper and even latex painted surfaces can be treated to prevent the surface spread of flame.

PRESENT MARKETED PRODUCTS

FORMULA NF101—

General Purpose solution in ready to use form. Suitable for a wide range of both natural and synthetic materials.

FORMULA NF102—

Latex paint additive. Also for treating timber, polyurethane forms and expanded polystyrene products.

GENERAL NOTES

Formula NF101 General Purpose Fire Retardant and Flameproofing Solutions

No-Flame NF101 Fire Retardant and Flameproofing Solutions offer complete protection combined with ease of application, ability to withstand dry cleaning, long lasting protection, no harmful side effects, versatility, and safe to use.

No-Flame NF101 Flameproofing Solutions are non-toxic, long lasting in use, colorless, non-hygroscopic, non-staining, non-dermatitic, and non-crystalline.

No-Flame NF101 Solutions are in ready-to-use form and application is by means of simple spraying, brushing, dipping, vacuum impregnation, or spray can.

No-Flame NF101 Flameproofing Solutions will impart flame proofing properties to any absorbent materials and is suitable for a wide range of both natural and synthetic materials, including: Curtains, upholstery, paper, cardboard, unfinished lumber, wallboard, ceiling panels, hardboard, wallpapers, Christmas trees, bedding, decor materials, cork, work wear, expanded polystyrene and polyurethane foam, backdrops, particle board, plywood, and carpets (carpets will automatically have anti-static qualities when treated).

No-Flame NF101 Solutions are water soluble and are simple and safe to use. Application is by simple hand spray units, spray can, dipping, brushing or vacuum impregnation. After using spray units, wash sprayer and spray nozzle in clean water to avoid clogging. Use a fine spray, wetting the surface lightly. Avoid over-saturation, effective treatment can best be achieved by two or three light applications. Material to be treated must be dry. For best results, after treatment allow to dry naturally. However, moderate forced drying does not impair treatment.

It is recommended that small test pieces of material should first be treated in order to obtain the desired optimum results, some dyes may be affected by No-Flame Solution. Washing will remove up to 50% of treatment (requiring retreatment), it is normally not affected by dry cleaning. In most cases treatment before dry cleaning will result in a pleasing soft drape when completed. Treatment will not shake out or rub off.

Correct use will ensure satisfactory flame retardant/flameproofing qualities, preventing any tendency towards after glow which can cause reignition. Variations in the rate of absorbancy make it impossible to give an accurate guide to quantities required in any given treatment situation. However, experienced users find that a surface of normal absorbency, such as a cotton curtain, will require approximately 1 gallon per 600 square feet to 700 square feet.

In computer room use when applied, will also static-proof.

"NO-FLAME" HEALTH AND SAFETY DATA

"No-Flame" is a clear water based chemical, which is soluble in water. "No-Flame's" ingredients and additives are inorganic salts, which singularly or combined are non-toxic, non-carcenogenic, and non-dermatitic. "No-Flame" is non-toxic, non-carcenogenic, and non-dermatitic as a liquid, remains that way when soluble (when dried) in the material applied to, and continues that way when heat is applied.

"No-Flame" has the same threshold limit value as water, and the same effects of overexposure as water. The emergency and first aid procedures are as follows: If splashed on skin, wash with copious quantities of water.

No special respiratory or ventilation protection are needed, since "No-Flame" fumes by themself have no effect.

Technical data include: Boiling point — (°F) 212, vapor pressure — (mm Hg) 760, vapor density — (air=1) as water, specific gravity — (H20=1) 1.08, percent volatile by volume + (%) 84, evaporation rate — (H20=1) 1. "No-Flame's" appearance and odor are clear aqueous with a slight lemon odor.

If children or animals attempt to lick or drink "No-Flame" they cannot be harmed. If "No-Flame" comes in contact with a plant, tree, or shrub it will not affect its life.

HOW DOES "NO-FLAME" WORK?

"No-Flame" solution is insoluble once applied and dry. It remains in the material until heat or flame is applied when it automatically reacts to the fire, by combining with the combustible gases and tars converting them to carbon char, nitrogen and carbon dioxide. It has therefore removed one of the basic elements of fire, oxygen.

LABORATORY TESTS

"No-Flame" has passed the following tests on a wide variety of fabrics and textiles, including natural and synthetic and blends of natural and synthetic fibers, as conducted by nationally recognized independent U.S.A. Laboratories, including Commercial Testing Co., Consumer Testing Laboratories Inc., United States Testing Co. Inc., Certified Testing Laboratories Inc., Professional Service Industries Inc., Jordi Associates Inc., Detroit Testing Laboratories Co.

The following are a series of tests taken and surpassed by "No-Flame": ASTM-E84-80, NFPA-701, UL-723, CA Fire Code 1219-9297, FAA#25.853, FMV SS-302, Fed. Title 16-Chapt. 11 Toxicity, AATCC-134, Electrostatic, DOC FF-1-70.

In every test, "No-Flame" formulas resulted in the following:

Time to ignition = no ignition occurred
Distance maximum spread = 0.0 feet
Time to maximum spread = 0.00 minutes
Flame spread index = 0
Fuel contributed = 0
Smoke developed index = 10

No flame has been awarded a United States Government Contract. Contract #GS-00F-87625. Registered trademark, U.S. Patent and Patent Pending, United Kingdom, Canada, Israel and Irel---

ROSE BRAND
THEATRICAL FABRICS AND FABRICATING

FIBEROPTIC

CURTAIN

City of New York
County of New York
State of New York

CERTIFICATE OF FLAME RETARDANCY

We, the undersigned, being duly sworn, depose and say that we are in business at 517 West 35th Street, New York City, New York. The materials described below have been certified to us by their manufacturer(s) as having been treated with a fire retardant chemical approved by the Board of Standards and Appeals of the City of New York under Calender Number 1177-65-SM.

This flame retardancy is certified for a one-year period or until any dry cleaning or washing process in accordance with the Rule 6.1 of the Rules of the board of Standards and Appeals for Tests of Fire-Resistive Materials and Section C19-161.0 of the Administrative Code of the City of New York and the New York City Fire Department's F. P Directive 1-78 (revised 12/28/82).

PURCHASER'S NAME: FIBERTECH INC

Rose Brand Invoice #: J 8021-T dated: MAY 28, 1991

Materials used: 295 YDS 54" BLACK DUVETYN

for ROSE BRAND TEXTILE FABRICS
Ilene Rich
Certificate of Fitness # 61462412
Expiration date: July, 1992
Type C-15 for Supervisor of Flameproofing
New York City Fire Department

Sworn before me this
23 day of December, 1991

STEVEN LEE SAFER
NOTARY PUBLIC, STATE OF NEW YORK
No. 31-[illegible]
Qualified in New York County
Commission Expires [illegible] 19[illegible]

(certplan 3/91)
(basic certificate)

ZELLER INTERNATIONAL
MAIN STREET, BOX Z, DOWNSVILLE, NY 13755 PHONE: 607-363-7792
NYC OFFICE: 212-627-7676 NY STATE: 1-800-722-USFX FAX: 607-363-2071 TELEX: MTV 646-253

CITY OF NEW YORK)
STATE OF NEW YORK) SS
COUNTY OF NEW YORK)

FLAMEPROOFING AFFIDAVIT

We, the undersigned, being duly sworn, depose and say that we are in business at Main Street, Downsville, NY 13755. ZELLER INTERNATIONAL manufactures flameproofing agents for topical and in situ applications. We custom treat soft goods, plastics and foliage with acceptable fire retardants as approved by The Board of Standards and Appeals, MEA Section and NYC Fire Department.

All Custom Fiberglass has applied the flameproofing agents on

One (1) set of costumes for animated show figures treated with Flameaway Retardent

Type 1, meeting NFPA 701 and UL Class II specifications

Its period of effectiveness, as stated by the aforementioned Board, is for one year from the date of treatment.

Supervisor - GARY ZELLER

Certificate of Fitness Holder #NYCFD for Flameproofing Applications #60653300
Member NFPA, National Fire Protection Association #A00732870000
Member SPE, Society of Plastic Engineers #DSM000095551

Signed Robert L. Tietz

Sworn and subscribed to
before me this 9th
day of November, ~~1989~~ 1990.

NOTARY PUBLIC: STATE OF FLORIDA AT LARGE
MY COMMISSION EXPIRES OCTOBER 26, 1993
BONDED THRU [illegible] & ASSOCIATES

Susan M. [illegible]
Notary Public

(Corporate Seal)

COSMETICS PROPS

48 DIVERSIFIED

C A B I N   C R A F T S   C A R P E T S

SPECIFICATION DATA

Style Name:	UP START II
Style Number:	A3257
Description:	NYLON CUT PILE
Fiber Content:	100% AUTOCLAVE STAPLE
Tufted Yarn Weight:	25.0 OZS./SQ. YD.
Tufted Pile Height:	.531 inch
Finished Pile Thickness:	.500 inch
Gauge:	3/16
Stitches Per Inch:	5.5
Primary Backing:	POLYPROPYLENE
Secondary Backing:	POLYPROPYLENE
Total Weight:	57.0 OZS./SQ. YD.
Density:	1800 OZS./CUBIC YD.
Weight Density:	45,000
Stock Colors:	21 CONTINUOUS DYED

Applications:
RESIDENTIAL
Special Features:

PRODUCT DATA

Flammability:
Pill Test: (Doc FF1-70) PASS
Radiant Panel (Direct Glue):
ASTM E-648: CLASS I
NBS Smoke Density: (ASTM E-662)
Flaming Mode: <450 At 4 Minutes: <450
Non Flaming Mode: <450 At 4 Minutes: <450
Static:
AATCC-134: <3.5KV
Type Static Control:
TOPICAL

Electrical Resistance: (NFPA 56A)
Burroughs Method: N/A
IBM Method: N/A
FHA Data UM44D: MEA 73496
Type: IF
Class: 1
Warranty:
Fiber Producer:
Shaw:
Other:

CARPET

NATIONWIDE

UL LISTING INFORMATION

SLD Lighting - PAR 38C lights, Helicopter

Diversified Designs - Organ

Micro Technology - Relay Panel

Corman & Associates - MMBB Sign, Star Panel

Fibertech - Fiberoptic Curtain and Sign

Raztech - Spot Lights

SW Electronix - 50" Monitor

SLD LIGHTING

318 West 47th Street / New York, NY 10036
TEL/212-245-4155 FAX/212-956-6537 TELEX/230199 SWIFTUR

4 March 1992

Shelly Atkins
ShowBiz Pizza
4441 W. Airport Freeway
Irving, TX 75015

Dear Shelly,

Once again, thank you for your order. I am looking forward to personally attending to your roll-out shipments.

Please see the enclosed UL listing for unit # Par38C (3009). Our file number is E47602(M). Our warranty is 90 days.

Thank you for your support.

Sincerely yours,

Glenn D. Hilzer

encl.
GDH:ab

Underwriters Laboratories Inc.

TIMES SQUARE STAGE LIGHTING CO INC
Mr. Masters
HOLT INDUSTRIAL PARK
HOLT DRIVE
RTE 9W
STONY POINT NY 10980

Your most recent listing is shown below. Please review this information and report any inaccuracies to the UL Engineering staff member who handled your Assignment.

IETR June 13, 1990
Fixtures and Fittings, Miscellaneous

TIMES SQUARE STAGE LIGHTING CO INC , STONY POINT NY 10980 E47602 (M)

[illegible], Cat. Nos. C3M, -MR16, FBB-75, -300, ZBPC-300, M60, Mark III, C3MR150, MR-16, PAR36C, -R, -S, FS-25, PS3K, SS-200. Accessories, Models "Barn Door", "Color Filter".

HOLT INDUSTRIAL PARK HOLT DRIVE RTE 9W

LOOK FOR LISTING MARK ON PRODUCT

Replaces E47602 dated December 6, 1989.
[illegible] Underwriters Laboratories Inc.®

For information on placing an order for UL Listing Cards in a 3 x 5 inch card format, please refer to the enclosed ordering information

UNDERWRITERS LABORATORIES INC.

An independent, not-for-profit organization testing for public safety

333 Pfingsten Road
Northbrook, Illinois 60062-2096, USA
708 272 8800
Telex 6502543343
FAX No. (708) 272-8129

1285 Walt Whitman Road
Melville, L.I., New York 11747-3081, USA
516/271-6200
Telex 6852015
FAX No (516) 271-8259

1655 Scott Blvd.
Santa Clara, California 95050-4169, USA
408-985-2400
Telex 184210
FAX No (408) 296-3256

12 Laboratory Drive
P.O. Box 13995
Research Triangle Park,
North Carolina 27709-3995, USA
919/549-1400
Telex 4937035
FAX No. (919) 549-1842

E 123535
UNDERWRITERS' LABORATORIES INC.
LISTED
PROCESSED WIRE
RESPOOLED
NO. 60-412353

QUICK PLUG



- BLACK
- 15 A 125 V
- SINGLE MOLDED SCREW CLAMPS CORDS AND DRIVES TERMINALS THROUGH INSULATION
- USE ON 18/2 OR 16/2 SPT-2, SJT, OR SVT CORDS

UL LISTED PLUG

CAT. NO.
GE4313-3DUPC

WIRE + QUICK PLUGS
USED IN MUNCH KEYBOARDS

MICRO TECHNOLOGY SERVICES, INC.
1819 Firman Drive Suite 137 Richardson, Texas 75081 (214)231-MTSI FAX (214)669-1599

May 19, 1992

Ms. Shelly Atkins
Showbiz Pizza Time
P.O. Box 152077
Irving, TX 75015
FAX: (214) 570-7564

Dear Ms. Atkins,

The Relay Panel currently being manufacturing by Micro Technology Services has the following list of materials which comprise the unit. Most of the material used in the manufacture of your product is U.L. approved as shown. We currently are in the process of getting U.L. approval on the total assembly and estimate completion of this effort within 10 weeks.

Item Description	U.L. Approved?
Enclosure	Yes (U.L. #E27567)
Relay Board	Yes (U.L. #E79183)
Relay, 24 VAC	Yes (U.L. #E46203)
Relay, 24 VDC	Yes (U.L. #E46203)
Relay, 3-32 VDC	Yes (U.L. #E46203)
Terminal Block	Yes (U.L. #E61245)
Fuse Block, 12-pos.	Yes (U.L. #E14853)
Fuse, 5A	Yes
Fuse Holder, In Line	
Space Lug	
Quick Disconnect Term	
Neutral Buss Bar	Yes
Buss Bar Insulator	
Wire Duct	Yes (U.L. #E56854)
Wire Duct Cover	Yes (U.L. #E56854)]
Jumper	Yes
Fuse, 10A	Yes
Cable Tie	
Cable Tie Mount	
Wire	

Our standard warranty for this product is 1-year parts and labor if used within product specifications.

If you have any additional questions, please do not hesitate to call.

Sincerely,

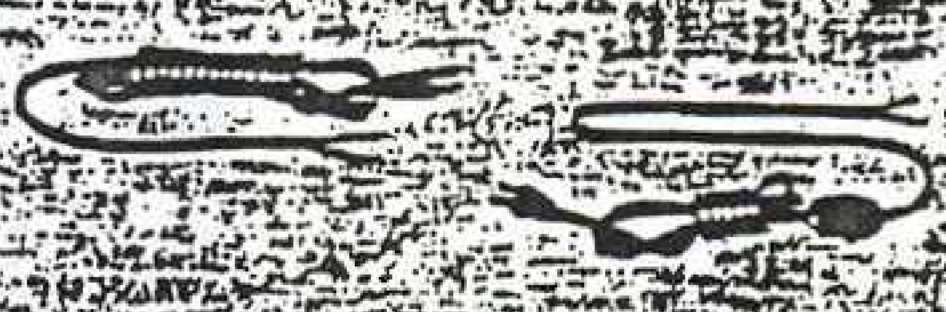
Jim Sellers

Jim Sellers
Vice-President, Operations

OEM POWER SUPPLY CORDS AND CORD SWITCHES

ELECTRICAL SUPPLIES

Dayton UL E44555? CSA LR?



- Stranded, electrical grade copper conductors
- Molded-on male plugs [illegible]

HEAVY-DUTY CORDS

Gauge/Cond.	Length	Jacket Type	Max. Amps @ 125V	Ends	Temp. Range	UL Listed	OSHA	CSA	Nominal O.D.	Color	Stock No.	List	Each	Less 10	Shpg. Wt.
12/3	6 ft	ST	15	Bare	32° to 140°F	Yes	Yes	Yes	0.615"	Black	1W861	$11.38	$8.39	$7.89	1.9

GENERAL PURPOSE CORDS

Gauge/Cond.	Length	Jacket Type	Max. Amps @ 125V	Ends	Temp. Range	UL Listed	OSHA	CSA	Nominal O.D.	Color	Stock No.	List	Each	Less 10	Shpg. Wt.
18/2	[illegible]	SJT	10	Bare	32 to 140	Yes	Yes	Yes	0.320	Black	2W823	[illegible]	$1.84	$1.58	0.3
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	Yes	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	Yes	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	Yes	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	[illegible]	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	[illegible]	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	Yes	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	Yes	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	Yes	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	Yes	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	Yes	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	No	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	Yes	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	Yes	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

LIGHT-DUTY CORDS

Gauge/Cond.	Length	Jacket Type	Max. Amps @ 125V	Ends	Temp. Range	UL Listed	OSHA	CSA	Nominal O.D.	Color	Stock No.	List	Each	Less 10	Shpg. Wt.
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	No	Yes	[illegible]	Gray	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Yes	Yes	Yes	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Bare	[illegible] to 140	Yes	Yes	Yes	[illegible]	Black	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

10 SAN 000 PORCELAIN TWO PIECE NO. 9882

SCREW RING RECEPTACLES

LISTED LEVITON LAMPHOLDER

LAMPHOLDER

CONCEALED TERMINALS

250 W 250 V



. Plastic Ring Sockets

THESE SOCKETS ARE TO BE USED
IN OUTDOOR ENCLOSED SIGNS AND
LISTED BY U.L. FILE E 76247 AND
CSA LR 29485 LAMP HOLDER
SUPRO LUX MFG CO INC
NEW YORK N.Y.

UL 593E? LISTED

Transformer for neon sign



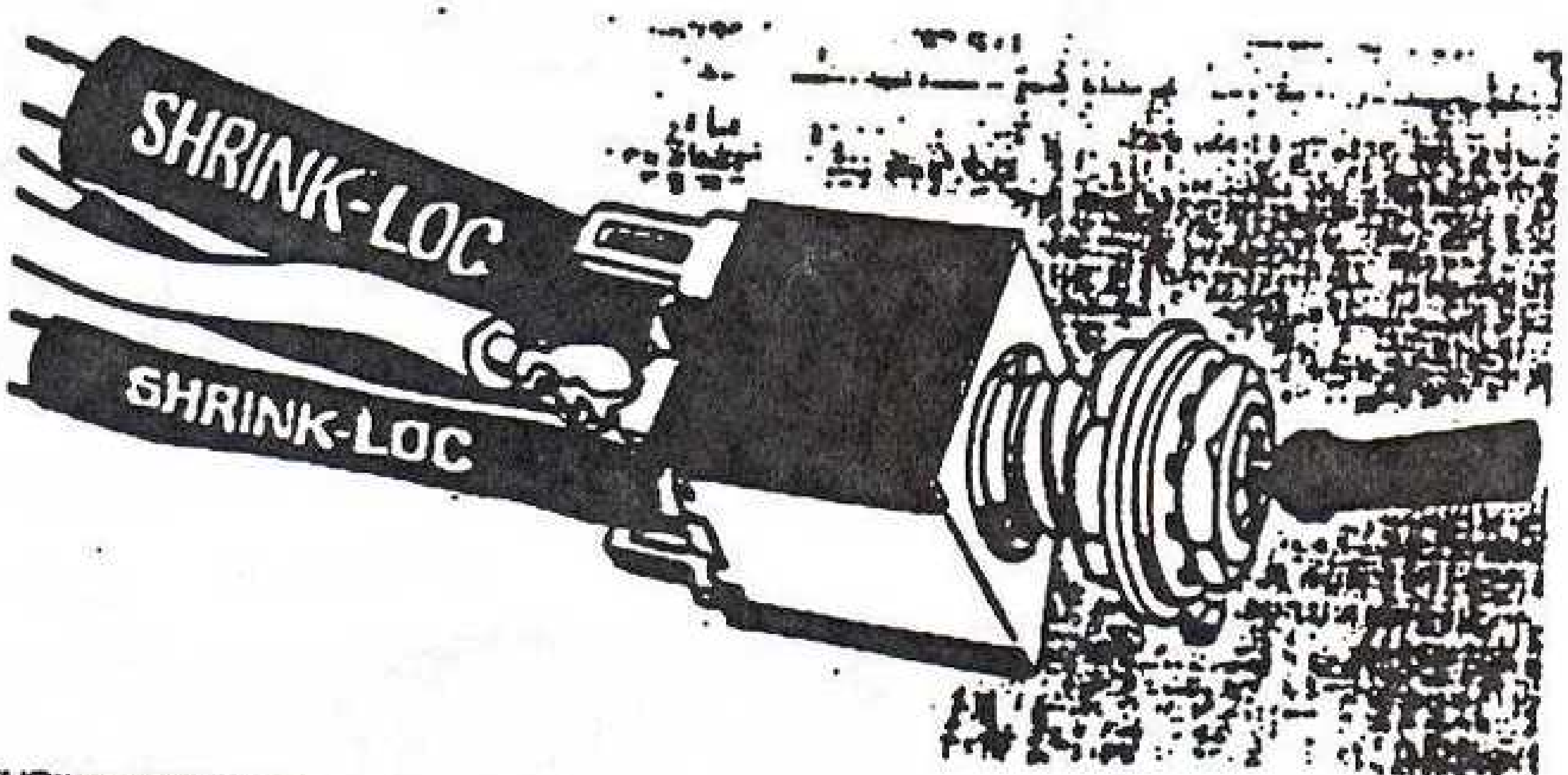
Used to protect all electrical connections

S&R
Sinclair & Rush

EXTRUDED PRODUCTS DIVISION

10315 Page Industrial Blvd.
St. Louis, Missouri 63132
Telephone: (314) 426-4167
Telex: 442664 Sinclarush St.
Facsimile: 314-426 4345

GPF-135



SHRINK-LOC® GPF-135 is a general purpose, flexible, heat shrinkable tubing manufactured with a balance of properties required for most military, industrial, and general purpose applications.

GPF-135 Type 1 is flame retarded and is stocked in black and assorted colors. Type 2, Clear, is not flame retarded.

For use in areas where a low cost, flame retarded Heat Shrinkable Tubing is required. Applications include wire bundling, harnessing and stress relief.

Applicable specifications

MIL-I-23053/5	Class 1	Class 2
UL-224 125 C	E-80062	
AMS	3636	3637
NACA MSFC-276B	Class 1	Class 2
AIEE	1308	
CSA-125 C	LR-37065	

FIBERTECH - FIBEROPTIC CURTAIN:

Motors - Hansen Manufacturing Co.

Yellow Cards - UL Listing

Drive Device System - 120V 60 Cy Pulls ½ AMP
50W ½V Bulb

XHNR2 July 17, 1986
Component - Time-Indicating and Recording Appliances

HANSEN MFG CO INC E14091 (N)
903 S FIRST ST , PRINCETON IN 47670

Synchronous motors.
Single-coil motor Nos. 510, 520, 530, 540, 550, 560, 610+, 620+, 630+, 640+, 642+, 645, 650+, 660+, 661+, 665, M640.
Single-coil motor Nos. M645, M660, M665.
Double-coil motor No. 2306A, single-coil motor No. 138.
+These numbers may be furnished in tandem or reversible unit, two maximum.
Marking: Company name or Synchron and number designation.

See General Information Preceding These Recognitions.

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Reports, April 18, 1950; June 23, 1960; May 1, 1984.

Replaces E14091 dated September 10, 1984.
[illegible] Underwriters Laboratories Inc.® [illegible]

XHNR2 July 17, 1986
Component - Time-Indicating and Recording Appliances

HANSEN MFG CO INC E14091 (N)
903 S FIRST ST , PRINCETON IN 47670

Synchronous motors.
Single-coil motor Nos. 510, 520, 530, 540, 550, 560, 610+, 620+, 630+, 640+, 642+, 645, 650+, 660+, 661+, 665, M640.
Single-coil motor Nos. M645, M660, M665.
Double-coil motor No. 2306A, single-coil motor No. 138.
+These numbers may be furnished in tandem or reversible unit, two maximum.
Marking: Company name or Synchron and number designation.

See General Information Preceding These Recognitions.

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Reports, April 18, 1950; June 23, 1960; May 1, 1984.

Replaces E14091 dated September 10, 1984.
[illegible] Underwriters Laboratories Inc.® [illegible]

XPTQ2 February 24, 1989
Component - Transformers, General Purpose

ENSIGN CORP E47299 (N)
7960 S MADISON ST , BURR RIDGE IL 60521 (A card)

Cat. No. 6835.
Cat. Nos. 7018, 7078.
Cat. No. 7075.
Cat. Nos. 7440, 7448.
Cat. No. 7496.
Cat. Nos. 8383, 8384, 8385.
Cat. No. 8538.
Cat. No. 85168.
Cat. Nos. 88048, 88050, 88051, 88052, 88053, 88054, 88055 and 87085 may be followed by suffix "T" indicating the provision of thermal cutoff in Series with the primary.
*Cat. Nos. LT050 and LV050 followed by -1, -2, -3, -7 or -8, followed by -012, with or without the suffix -00 through -99.
*The last two digits may be numbered from 00 to 99 incl.

Reports: March 25, 1970; March 29, 1971; March 28, 1972; October 30, 1975; May 10, 1976; October 25, 1983; July 24, 1985; March 19, 1986; June 20, 1986; May 29, 1987.

Replaces E47299A dated February 24, 1988. (Cont. on B card)
242284003 Underwriters Laboratories Inc.® 011/0029868
73

XPTQ2 January 17, 1989
Component - Transformers, General Purpose

ENSIGN CORP E47299 (N)
(B-cont. from A card)

Part No. I or M followed by L, P or T, followed by 002 thru 200, followed by -1, -2 or -3, followed by -010 thru -240 or -510 thru -740, with or without suffix X.
Part Nos. L012, L020, L030, L040, L060, L056, L075, L100, T001, T002, T006, T012, T020, T030, T040, T060, T056, T075, T100 followed by 1, 2 or 3, followed by -010 thru -120 or -510 thru -620, with or without the suffix X.
Part Nos. P001, P002, P006, P012, P020, P030, P036, P040 followed by -1, -2 or -3, followed by -010 thru -120 with or without the suffix X. Part Nos. U001, U002, U006, U012, U024, U048 followed by -2, followed by -010 thru -240, with or without the suffix X.
Cat. No. 88074.
Cat. No. 88090.
Marking: Company name or EIA172 and catalog or Part No. designation.

See General Information Preceding These Recognitions.

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Reports: January 24, 1962; August 22, 1966; August 25, 1966; January 8, 1987; November 8, 1988.

Replaces E47299B dated October 31, 1988.
242284003 Underwriters Laboratories Inc.® 011/0131376
175

WARRANTY INFORMATION

SW Electronix	50" Monitor
SLD Lighting	Lighting (PAR 3009, Helicopter)
Raztech	Spot Lights
Diversified Designs	Organ Wink Cheese Guitar Drumskin
Fibertech	Fiberoptic Sign & Curtain
Animation World	Curtain Track
Kinetix	Cyber Arm Kits
Micro Technology	Relay Panel
Cowan Costumes	Cosmetics

PIONEER
PIONEER ELECTRONICS (USA) INC.

50" MONITOR

____
____
____

Re: Pioneer Monitor Warranty

Gentlemen:

Thank you for purchasing a Pioneer Monitor (the "Monitor"). Our understanding is that you purchased the Monitor, Model No. SDP-503PK, Serial No.(s) ________________________ on arrival date 19 ~~90/91~~ 92/93 from the following Pioneer authorized dealer:

SOUTHWEST ELECTRONIX SUPPLY CO., INC.
2156 Chenault Dr.
Carrollton, TX 75006

Inv. # ____________ Date ________

Pioneer Electronics (USA) Inc. and Pioneer Laser Entertainment, Inc. (collectively, "Pioneer"), the distributors of Pioneer products in the United States, warrant that should the Monitor which you have purchased fail to function properly under normal use due to a manufacturing defect when installed and operated in accordance with the owner's instructions enclosed with the Monitor, it will be repaired or replaced with a Monitor of comparable value, at the option of Pioneer, without charge to you for parts or actual repair work. Parts supplied under this warranty may be new or rebuilt at the option of Pioneer. The warranty will cover all parts for a period of 90 days and labor for a period of 90 days. This warranty only covers the Monitor during the warranty period when the Monitor is in your possession.

This warranty does not cover (i) the cabinet or any appearance item, (ii) antennas attached by you, (iii) any damage to the Monitor resulting from alterations or modifications not authorized in writing by Pioneer or from any accident, misuse or abuse or (iv) any damage due to lightning or to power surges.

This warranty does not cover the costs of parts or labor which would be otherwise provided without charge under this warranty if any such parts or labor are obtained from any

ORIGINAL - CUSTOMER YELLOW - PIONEER

source other than a Pioneer Authorized Service Company or other Pioneer designated location. This warranty does not cover defects or damage caused by the use of unauthorized parts or labor or from improper maintenance.

ALTERED, DEFACED OR REMOVED SERIAL NUMBERS VOID THIS WARRANTY.

Pioneer excludes any obligation on its part for incidental or consequential damages related to the failure of products distributed to function properly under the conditions set forth above. PIONEER DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. PIONEER LIMITS ITS OBLIGATIONS UNDER ANY IMPLIED WARRANTIES UNDER STATE LAWS TO A PERIOD NOT TO EXCEED THE WARRANTY PERIOD. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND SOME STATES DO NOT ALLOW THIS EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Repairs made under the terms of the limited warranty covering projection monitors will be performed at the location of the Monitor, during usual working hours, provided the location of the monitor is within normal operating distance of the closest Pioneer designated location in the USA. If, solely in Pioneer's judgement, the location of the Monitor to be repaired is beyond normal operating distance of the closest Pioneer Authorized Service Company, it is your responsibility to send the Monitor for repair, transportation prepaid, carefully packaged and insured, to a location designated by Pioneer. The Monitor will be returned transportation prepaid in the country of original purchase.

If you desire any additional information please contact Pioneer at:

Customer Service Department
Pioneer Electronics Service, Inc.
P.O. Box 1760
Long Beach, CA 90801
1-800-421-1404

PIONEER ELECTRONICS (USA) Inc.
PIONEER LASER ENTERTAINMENT, INC.

FORM #380-03 10/88

Terms and Conditions

Your Warranty SLD's products are warranted to be free from defects in material and workmanship for a period of 90 days from the date of purchase. Products which prove to be defective during this period will be either repaired or replaced, at SLD's option, provided the item is returned to us, freight prepaid under the terms stated for return of products, and the item has not been misused or abused. Claims for indirect or consequential damages or for products which in our opinion have been misused, will not be allowed. This is a warranty of product reliability only and not a warranty of merchantability or fitness for a particular purpose. Shipments made to customers under the terms of this warranty will be made on a freight collect basis only.

Price Quotations Prices listed in our most current price list supercede all other price lists. All prices are listed and quoted F.O.B. SLD's warehouse and include domestic packing but do not include transportation charges of any kind, nor do they include export or specialized packing, sales, excise or any taxes, duties or like charges. Quotations and delivery are contingent upon strikes, fire, labor disputes and other conditions beyond our control. All shipping charges are to be paid by consignee. Minimum billing for all customers is $25.00. All prices and invoices are quoted and charged in U.S. dollars. We cannot be held responsible for errors or omissions in the printing or preparation of this list. Prices, models, finishes, materials, and specifications are subject to change without notice. Lamps are not included in price unless specified.

Orders In order to give prompt service, it is recommended that your order be accompanied by a remittance. If you wish to open an active account please send to us on your letterhead, the name of your bank and five trade references. Merchandise will be shipped C.O.D. provided 25% of the total cost of the merchandise is forwarded with the order.

Conditions SLD reserves the right to change, modify, improve or substitute items of comparable value.

Safety Warning For our products, as with any electrical device, you must disconnect from the power supply before service or relamping. Service should be performed by qualified personnel only. Periodic inspection and maintenance is required to keep equipment operating properly and at peak performance. Do not mount fixtures on or adjacent to combustible materials.

Shipments Orders for equipment carried in stock are promptly shipped. Customers are requested to give shipping instructions with their orders. If not given, our best judgement is used in selection of routes. Consignees must hold carrier responsible for breakage, damages, delay or shortage in transit. Merchandise is receipted for in good condition at the point of shipment and SLD cannot accept responsibility for the actions of the carrier or other conditions beyond our control.

Alphabetical Index

Catalog Design: David Schiffer Design, Inc.

S L D

WARRANTY

RAZTECH takes pride in its products and believes they are manufactured to the highest possible standards. Consequently, Raztech warrants to the original consumer, defects in workmanship and materials for a period of one (1) year from the date of the original purchase. Raztech will, at its option, repair or replace any unit covered by this warranty without cost to the consumer for either parts or labor provided the warranty card is sent back to Raztech within 15 days from the date of purchase. This warranty does not cover damages resulting from accident, misuse or neglect. Light bulbs are excluded from this warranty. If warranty period has expired, or other terms of the warranty are not met, a service charge will be made according to the repairs needed, and the Microspot returned to you C.O.D. No other warranty is expressed or implied.

SPOTLIGHTS

Diversified Designs Of Orlando, Inc.

- PRODUCT WARRANTY -

DIVERSIFIED DESIGNS OF ORLANDO, INC. HEREBY WARRANTS ON BEHALF OF BUYER THAT IT'S PRODUCT(S) OR PRODUCT SYSTEMS, AS DESCRIBIBED HERIN, SHALL BE REASONABLY FREE FROM DEFECTS OR DESIGN DEFICIENCIES FOR A PERIOD OF SIX MONTHS FROM FROM DATE OF DELIVERY TO BUYER. PROVIDED, HOWEVER, THAT ALL PARTS OR COMPONENTS THAT SHALL BE COVERED BY OTHER MANUFACTURER'S WARRANTIES AND THAT SHALL BE USED IN THE OVERALL ASSEMBLY OF THE PRODUCT(S) OR PRODUCT SYSTEMS SHALL BE PROTECTED EXCLUSIVELY BY SAID WARRANTIES.

ALL "IN WARRANTY" SERVICES, REPAIRS OR REPLACEMENTS SHALL BE ACCOMPLISHED BY DIVERSIFIED DESIGNS OF ORLANDO. INC. AT IT'S PLANT FACILITY IN LONGWOOD, FLORIDA, WHERE APPLICABLE.

DIVERSIFIED DESIGNS OF ORLANDO, INC'S LIABILITY TO BUYER SHALL BE LIMITED SOLELY TO THE SERVICE, REPAIR, OR REPLACEMENT OBLIGATIONS COVERED UNDER PARAGHRAPHS ABOVE. DIVERSIFIED DESIGNS OF ORLANDO, INC. SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES OF ANY KIND EXCEPT TO THE EXTENT, AND ONLY TO THE EXTENT THIS PROVITION IS PROHIBITED BY LAW.

DAVID A. THOMAS
PRESIDENT/DIRECTOR
DIVERSIFIED DESIGNS OF ORLANDO, INC.

ORGAN

WINK

CHEESE GUITAR

305 Dane Lane, Suite 101 Longwood, Florida 32750 407/767-0487

FIBER OPTIC SPECIALTIES

PORTLAND REHO PARIS, FRANCE

FIBERTECH'S
EXCLUSIVE [redacted]-YEAR TOTAL WARRANTY

3 [illegible] FOR FIBERTECH

Distributor shall examine and test each sign immediately upon receipt for defects in workmanship or materials shall determine whether any defects found to exist were caused by the shipper or distributor's handling of the signs and shall notify manufacturer within ten (10) days of receipt of shipment of any defects it deems to be in the fault of manufacturer's workmanship or materials.

Manufacturer warrants that at the time of shipment the signs sold to distributor will be of the kind and quality described in the order or contract. Manufacturer also warrants the signs against defective workmanship in construction and assembly not including bulb replacement for twelve (12) months from the date of shipment. Whenever any non-conformity arises on which a claim might be based under the warranties herein granted if manufacturer is not informed within ten (10) days after distributor learns of the non-conformity then the warranties herein granted are void.Manufacturer's obligation and liability under the warranties herein granted extend only to the original distributor and not to any other party including but not limited to all subsequent distributors,buyers, lessees or other users. Further manufacturer's obligation and liability under the warranties herein granted are expressly limited to at manufacturer's option repairing or replacing any defective sign or part or making available (FOB manufacturers plant) a repaired or replacement sign or part.

Except for warranties of title and against patent infringement the warranties herein granted are in lieu of any other warranties express or implied or statutory including but not limited to warranties of merchantability and fitness for a particular purpose.Correction of non-conformities in the manner and for the period of time provided above shall constitute fulfillment of all liabilities of manufacturer to distributor whether based on contract negligence or other tort warranty or otherwise with respect to or arising out of such signs. Manufacturer shall not be liable for special incidental or consequential damages. The remedies set forth herein are exclusive and the liability of manufacturer with respect to any contract or sale or anything done in connection therewith, whether in contract, in tort, under the warranties herein granted or otherwise shall not, accept as expressly provided herein, exceed the price of the sign or part on which such liability is based.

If requested by a manufacturer, signs or parts from which a warranty claim is made by distributor are to be returned transportation prepaid to manufacturer's factory. Any improper use, any operation beyond capacity, any substitution of parts without advance approval in writing from manufacturer, any damages incurred in shipping or by distributors handling, any alteration of fiber replacements or the light source, or any alteration or repair by others in such manner as in manufacturer's reasonable judgement affects a sign materially and adversely shall void the warranties herein granted. No employee or representative of manufacturer's authorized to change in any way the warranties herein granted or grant any other warranty.

If the distributor so elects manufacturer shall repair to the extent possible any sign sold to distributor by manufacturer which is not covered by the warranties herein granted and which becomes in need of repair including replacement of parts within a reasonable time after its receipt transportation prepaid The fee changed by manufacturer for this service to distributor shall be $45.00 per hour of labor, plus the costs of parts and shipping. Manufacturer shall submit a bill for such repair services to distributor which shall be due and payable by distributor within thirty (30) days from its date.

Some states do not allow limits on warranties or on remedies for breach in certain transactions. In such states the limits set forth above may not apply.

FIBEROPTIC SIGN & CURTAIN

P.O. Box 91143 Portland, OR. 97291 1-800-234-2332 FAX (50:

ANIMATION WORLD OF ORLANDO

5/18/92

Shelly Atkins
Showbiz Pizza Time, Inc.
4441 W. Airport Freeway
Irving, Texas, 75062

Dear Shelly,

This letter is in response to your request for warranty information on our products.

PRODUCT WARRANTY

(a) ANIMATION WORLD OF ORLANDO hereby warrants on behalf of Buyer that its product or product systems shall be reasonably free from defects or design deficiencies for a period of twelve months from date of delivery to Buyer. Provided, however, that all parts or components that shall be covered by other manufacturers' warranties and that shall be used in the overall assembly of the product or product systems shall be protected exclusively by said warranties.

(b) All "in warranty" services, repairs or replacements shall be accomplished by Seller at its plant facility in Orlando, Florida, where applicable.

(c) Seller liability to Buyer shall be limited solely to the service, repair or replace obligations covered under paragraphs (a) and (b) above. Seller shall not be liable for consequential damages of any kind except to the extent, and only to the extent, this provision is prohibited by law.

I am still waiting for response from my suppliers on their warranty periods. I will forward this information as soon as it becomes available.

Sincerely,

Gregory F. King

6930 VENTURE CIRCLE • UNIT H • ORLANDO, FL 32807 (407) 657-1800 • FAX (407) 657-1977

Kinetix Group, Inc. 4501 Vineland Road #110 Orlando, FL 32811-7375
407/648-9255 407/648-9256 (FAX)

Kinetix

19 May 1992

Shelly Atkins
Entertainment/Design Coordinator
ShowBiz Pizza Time, Inc.
4441 West Airport Freeway
Irving, Texas 75062

Dear Shelly:

The arm kits that we will be providing to ShowBiz Pizza Time are under warranty for both workmanship and materials for a term of one calender year. The warranty begins FOB Kinetix machine shop.

The first set of 25 arm kits will be ready for release Friday, May 29. Please contact us when you are ready to begin distribution.

Shelly, thanks again for allowing Kinetix to help you with the stage conversion. Please call if you have any questions or comments.

Sincerely,

Jason E. Taylor
Project Manager

JT/lb

cc: Joe Wilson
file

(GN01632.JT)

MICRO TECHNOLOGY SERVICES, INC.
1519 Firman Drive Suite 137 Richardson, Texas 75081 (214)231-MTSI FAX (214)669-1599

May 19, 1992

Ms. Shelly Atkins
Showbiz Pizza Time
P.O. Box 152077
Irving, TX 75015
FAX: (214) 570-7564

Dear Ms. Atkins,

The Relay Panel currently being manufacturing by Micro Technology Services has the following list of materials which comprise the unit. Most of the material used in the manufacture of your product is U.L. approved as shown. We currently are in the process of getting U.L. approval on the total assembly and estimate completion of this effort within 10 weeks.

Item Description	U.L. Approved?
Enclosure	Yes (U.L. #E27567)
Relay Board	Yes (U.L. #E79183)
Relay, 24 VAC	Yes (U.L. #E46203)
Relay, 24 VDC	Yes (U.L. #E46203)
Relay, 3-32 VDC	Yes (U.L. #E46203)
Terminal Block	Yes (U.L. #E61245)
Fuse Block, 12-pos.	Yes (U.L. #E14853)
Fuse, 5A	Yes
Fuse Holder, In Line	
Space Lug	
Quick Disconnect Term	
Neutral Buss Bar	Yes
Buss Bar Insulator	
Wire Duct	Yes (U.L. #E56854)
Wire Duct Cover	Yes (U.L. #E56854)]
Jumper	Yes
Fuse, 10A	Yes
Cable Tie	
Cable Tie Mount	
Wire	

Our standard warranty for this product is 1-year parts and labor if used within product specifications.

If you have any additional questions, please do not hesitate to call.

Sincerely,

Jim Sellers

Jim Sellers
Vice-President, Operations

C·O·W·A·N
COSTUMES, INC.

CYBER COSMETICS DEFECTS

Cowan Costumes, Inc. will handle all complaints of manufacturing and / or materials defects on a case by case basis.

All defects or problems must be reported to Cowan Costumes immediately upon occurance.

5/92

106 S. Caddo St. Cleburne, Texas 76031 USA (817) 641-3126

INDEX

CEC TWO-STAGE INSTALLATION GUIDE

Date of Origin: 1992
Archived: 6-20-08
Submission by PizzaCam
Version 1.0